



關於產品含有害物質的採購限制標準

(面向供應商)

Ver. F

2026/3/4

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1. 目的:

XAC制定了“綠色採購標準(面向供應商)”，並向公司內外聲明今後將優先從積極推進環保的企業採購其綠色環保產品。

目前，全社會對綠色環保產品的認識和措施發生了巨大變化。關於產品含有物質的法律法規越來越多，特別是歐盟委員會制定的RoHS指令^{注1)}，規定在歐盟市場銷售的電子電氣產品原則上禁止含有RoHS指令的物件物質。另外，2007年6月起REACH法規^{注2)}開始實施，公佈了許可物件候補物質(SVHC)。規定了對這些物質的含有情況應進行管理，如果超過一定含量，應承擔傳遞必要信息的法律義務以保證產品的安全使用。其他國家也在實施或將要實施類似的法律法規。即便在日本國內市場，客戶也提出了對產品含有化學物質進行管理的條件，要求不得含有禁止物件物質。

XAC採取的方針是遵守這些國內外的產品含有物質相關法律法規。因此，為構成XAC的電子電氣產品和系統而採購的零部件和材料等產品原則上也必須遵守產品含有物質的法律法規。

2. 适用范围:

所有構成XAC產品(電子電氣產品和系統)的採購品，以及與XAC產品共同出貨的物品(包裝材料等)原則上都適用本標準。

注1)RoHS 指令:

Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (2011/65/EU)的縮寫。

歐盟的法律法規，從2006年7月1日起禁止在歐盟市場銷售鉛，汞，鎘，六價鉻和溴類阻燃劑(PBB和PBDE)的含有量超過限值的電子電氣產品。

2019年7月22日起除了上述限制，對特定的鄰苯二甲酸酯類(DEHP, BBP, DBP, DIBP)的含量也有限制。

注2)REACH法規:

Registration, Evaluation, Authorization and Restriction of Chemicals(1907/2006)的縮寫。

歐盟的法律法規，2007年6月1日起生效，化學物質的註冊，評估，許可，限制的綜合制度。在歐盟市場上銷售物質，配製品和物品的製造商和進口商應在一定條件下承擔物質的評估和註冊，物品中物質的註冊和申報，以及物品中含有物質的相關資訊的提供等法律義務。所要求提供的物品中含有資訊的物質稱作許物件候補物質(通稱SVHC)，這些物質分批公佈。

3. 修訂履歷:

修訂日期	版本	修訂內容
*****	***	由於內部文件名稱變更，此標準隨之變更，內容延續，版本從A版開始。
2024/3/4	A	1. 使用新發布的表單進行整理/匯總； 2. REACH SVHC的部分，歐洲化學品管理局（ECHA）發布公告，正式宣布第30批高度關注物質（SVHC）：5項，至此SVHC高度關注物質清單（又稱：候選授權物質清單）總數已達到240項。
2024/07/05	B	1. RoHS指令 附錄III 的部分： 歐盟發布了RoHS修訂指令（EU）2024/1416，修訂了“RoHS指令附錄III”中關於顯示器光源元件中鎘的豁免；修改了現有的39(a)項，並新增了39(b)項； 2. REACH SVHC的部分： 歐洲化學品管理局（ECHA）發布公告，正式宣布第31批高度關注物質（SVHC）：1項，至此SVHC高度關注物質清單（又稱：候選授權物質清單）總數已達到241項。
2025/03/17	C	1. REACH SVHC的部分： 歐洲化學品管理局（ECHA）發布公告，正式宣布第33批高度關注物質（SVHC）：5項，至此SVHC高度關注物質清單（又稱：候選授權物質清單）總數已達到：247項。 2. 歐盟正式公佈‘新包裝法規’： 2025年1月22日，歐盟發佈包裝和包裝廢物法規（EU）2025/40，以取代包裝和包裝廢物指令94/62/EC，新包裝法規歸於2026年8月12日起實施，包裝指令94/62/EC自2026年8月12日起廢除（特殊條款除外）。 3. 歐盟於官方公報正式頒布了電池與廢電池新法規： （EU）2023/1542，（現行電池與廢電池指令 2006/66/EC將於2025年8月18日廢除）。
2025/7/29	D	REACH SVHC的部分： 歐洲化學品管理局（ECHA）發布公告，正式宣布第34批高度關注物質（SVHC）：3項，至此SVHC高度關注物質清單（又稱：候選授權物質清單）總數已達到：250項。
2025/12/12	E	1. REACH SVHC的部分： 收集：歐洲化學品管理局（ECHA）發布公告，正式宣布第35批高度關注物（SVHC）：1項，至此SVHC高度關注物質清單（又稱：候選授權物質清單）總數已達到：251項。 2. 本次將REACH法規—附件XVII —限制物質清單納入 XAC 管制範圍： 歐盟REACH法規（EC）No 1907/2006從2006年頒布以來進行了多次的修訂，僅附件17（XVII）限制物質清單就進行了如下45次修訂，這其中的限制物質也從初期的52項增加到現在的78項（附件XVII中共有82項物質，但部分項號下的物質在修訂過程中被從限制清單中刪除，項號未刪除）。 3. 對2011/65/EU 附件III（電子電器類產品豁免清單）進行更新： 2025/11/21 歐盟官方公報： a. 歐盟委員會委託指令（2025/2364, 2025年9月8日），修訂歐洲議會及理事會2011/65/EU指令，關於鉛作為鋼、鋁和銅合金元素的豁免：在2011/65/EU指令附件III中，第6(a)、6(a)-I、6(b)、6(b)-I、6(b)-II 和6(c)點 內容被取代； b. 歐盟委員會委託指令（2025/1802, 2025年9月8日），修訂歐洲議會及理事會關於高熔點焊料鉛豁免的指令2011/65/EU:在2011/65/EU指令附件III中，第7(a) 點內容被取代； c. 歐盟委員會委託指令（2025/2363, 2025年9月8日），修訂歐洲議會及理事會關於玻璃或陶瓷組件鉛豁免的指令2011/65/EU:指令2011/65/EU附件III修訂如下： (1). 第7(c)-I點和第7(c)-II點內容被取代； (2). 新增了第7(c)-V點和第7(c)-VI點；
2026/03/04	F	REACH SVHC的部分： 收集：歐洲化學品管理局（ECHA）發布公告，正式宣布第36批高度關注物（SVHC）：2項，至此SVHC高度關注物質清單（又稱：候選授權物質清單）總數已達到：253項。

ROHS 2.0 2011/65/EU 附录II
《电气电子设备有害物质限制指令》

有毒物質項目 Substance item	所在物質 Substance in place	含量允許程度 Allow concentration	需提供檢測證明 文件 Third party report
01. 鉛與其鉛化合物(Pb) Lead and compounds	All material 所有材料	<1000ppm(0.1%)	P
	Battery 電池	<40ppm(0.004%)	
	Surface of plating and painting on component 部件电镀和喷漆表面	Any detectable level must be reported 必须报告任何可检测水平	
02. 鎘與其鎘化合物(Cd) Cadmium and compounds	All material 所有材料	<100ppm(0.01%)	P
	Battery 電池	<20ppm(0.002%)	
	Surface of plating and painting on component 部件电镀和喷漆表面	Any detectable level must be reported 必须报告任何可检测水平	
03. 汞與其汞化合物(Hg) Mercury and compounds	All material 所有材料	<1,000ppm(0.1%)	P
	Battery 電池	<5ppm(0.0005%)	
	Any detectable level must be reported, except unavoidable impurities at levels below 10ppm 必须报告任何可检测水平·除非不可避免杂质含量低10ppm	Any detectable level must be reported 必须报告任何可检测水平	
04. 六價鉻與其化合物(Cr+6) Chromium(Hexavalent)and compounds	All material 所有材料	<1,000ppm(0.1%)	P
	Surface of plating and painting on component 部件电镀和喷漆表面	Any detectable level must be reported 必须报告任何可检测水平	
05. 多溴聯苯(PBBs) Polybrominated biphenyls	Organic material 有机材料/物質	<1,000ppm(0.1%)	P
06. 多溴二苯醚(PBDEs) Polybrominated biphenyl ethers	Organic material 有机材料/物質	<1,000ppm(0.1%)	P
07. 邻苯二甲酸二(2-乙基己基)酯 (DEHP) Bis (2-ethylhexyl)phthalate	Organic material 有机材料/物質	<1,000ppm(0.1%)	P
08. 邻苯二甲酸丁基苄酯 (BBP) Benzyl butyl phthalate	Organic material 有机材料/物質	<1,000ppm(0.1%)	P
09. 邻苯二甲酸二丁酯 (DBP) Dibutyl phthalate	Organic material 有机材料/物質	<1,000ppm(0.1%)	P
10. 邻苯二甲酸二异丁酯 (DIBP) Diisobutyl phthalate	Organic material 有机材料/物質	<1,000ppm(0.1%)	P
11. 汞、鉛、鎘、六價鉻之總和含量 Total contain amount of above substance	Packing material 包装材料	<100ppm(0.01%)	P

1. 需提供檢測證明文件之注意事項：

- a. 有毒有害物質含量必須為第三公證單位之檢測報告。(經 ISO/IEC 17025 認證的檢測實驗室)
- b. 各有毒有害物質之檢測方法必須採"均質物質"的定量分析且需符合 IEC 62321, 或其更新版之要求。

2. 上列標準係參考【RoHS 2.0 2011/65/EU 附录II修正指令 (EU) 2015/863 電子電氣設備中禁止使用某些有害物質的指令】、

【電池與廢電池新法規(EU) 2023/1542】、【94/62/EC 歐盟關於包裝和包裝廢物的指令·2025年1月22日歐盟發佈包裝和包裝廢物法規【(EU) 2025/40】新包裝法規歸於2026年8月12日起實施】、【(EC) No 1907/2006 歐盟新化學品法規REACH】及其修正指令。

3. 當檢測標準超過上列標準值時,應確認是否屬2011/65/EU附件III中的豁免條款。

RoHS 2011/65/EU 附件III 豁免清單
(電子電器設備適用的豁免條款)

序号	豁免项目	应用范围及终止日期	相关指令	备注
1	单端 (紧凑型) 荧光灯中的汞含量不超过 (每灯管) :			
1(a)	普通照明用 < 30W : 2.5 mg	到期日: 2023年2月24日	(EU) 2022/276	
1(b)	普通照明用 ≥30W 且 < 50W : 3.5 mg	到期日: 2023年2月24日	(EU) 2022/276	
1(c)	普通照明用 ≥50W 且 < 150W : 5 mg	到期日: 2023年2月24日	(EU) 2022/276	
1(d)	普通照明用 ≥150W : 15 mg	到期日: 2023年2月24日	(EU) 2022/276	
1(e)	普通照明用 · 环状或方形结构 · 管径 ≤17 毫米 : 5 mg	到期日: 2023年2月24日	(EU) 2022/276	
1(f)-I	主要发射紫外光谱的灯 : 5 mg	到期日: 2027年2月24日	(EU) 2022/281	
1(f)-II	特殊用途 : 5 mg	到期日: 2025年2月24日	(EU) 2022/281	
1(g)	普通照明用 < 30W 且使用寿命 ≥20000h : 3.5mg	到期日: 2023年8月24日	(EU) 2022/277	
2(a)	普通照明用的双端线型荧光灯中的汞含量不超过 (每盏) :			
2(a)(1)	正常使用寿命的三基色荧光灯 · 管径 < 9 毫米 (例如 T2) : 4 mg	到期日: 2023年2月24日	(EU) 2022/284	
2(a)(2)	正常使用寿命的三基色荧光灯 · 管径 ≥9 毫米且 ≤17 毫米 (例如 T5) : 3 mg	到期日: 2023年8月24日	(EU) 2022/284	
2(a)(3)	正常使用寿命的三基色荧光灯 · 管径 17 毫米且 ≤28 毫米 (例如 T8) : 3.5 mg	到期日: 2023年8月24日	(EU) 2022/284	
2(a)(4)	正常使用寿命的三基色荧光灯 · 管径 > 28 毫米 (例如 T12) : 3.5 mg	到期日: 2023年2月24日	(EU) 2022/284	
2(a)(5)	长寿命 (≥25000h) 的三基色荧光灯 : 5 mg	到期日: 2023年2月24日	(EU) 2022/284	
2(b)	其他荧光灯中的汞含量不超过 (每盏) :			
2(b)(1)	直线型卤磷酸盐灯 · 管径 > 28mm (例如 T10 和 T12) : 10 mg	到期日: 2012年4月13日	/	
2(b)(2)	非线型卤磷酸盐灯 (所有管径) : 15 mg	到期日: 2016年4月13日	/	
2(b)(3)	非线性三基色荧光灯 · 管径 > 17 毫米 (例如 T9) : 15 mg	2023 年 2 月 24 日到期; 从 2023 年 2 月 25 日至 2025 年 2 月 24 日 · 每盏灯可使用 10 毫克	(EU) 2022/282	
2(b)(4)-I	其他一般照明和特殊用途的灯 (如感应灯) : 15 mg	到期日: 2025年2月24日	(EU) 2022/287	
2(b)(4)-II	主要以紫外光谱发光的灯 : 15 mg	到期日: 2027年2月24日	(EU) 2022/287	
2(b)(4)-III	应急灯 : 15 mg	到期日: 2027年2月24日	(EU) 2022/287	
3	2022 年 2 月 24 日之前投放市场的特殊用途的冷阴极 荧光灯及外部电极荧光灯 (CCFL 和 EEFL) 中的汞含量不超过 (每盏) :			
3(a)	短型 (长度 ≤500 毫米) : 3.5 mg	到期日: 2025年2月24日	(EU) 2022/274	
3(b)	中型 (长度 > 500 毫米且 ≤1500 毫米) : 5 mg	到期日: 2025年2月24日	(EU) 2022/274	
3(c)	长型 (长度 > 1500 毫米) : 13 mg	到期日: 2025年2月24日	(EU) 2022/274	
4(a)	其他低压放电灯中的汞 (每盏) : 15 mg	到期日: 2023年2月24日	(EU) 2022/280	
4(a)-I	低压无磷涂层放电灯中的汞 · 当设备要求灯的光谱输出的主要范围为紫外光谱时: 每盏灯最多可使用 15mg 的汞	到期日: 2027年2月24日	(EU) 2022/280	
4(b)	通用照明用高压钠(蒸气)灯 · 其显色指数 Ra > 80 · 功率 ≤105W · 其汞含量不超过 (每盏) : 16mg	到期日: 2027年2月24日	(EU) 2022/283	
4(b)-I	通用照明用高压钠(蒸气)灯 · 其显色指数 Ra > 60 · 功率 ≤155W · 其汞含量不超过 (每盏) : 30mg	到期日: 2023年2月24日	(EU) 2022/283	
4(b)-II	通用照明用高压钠(蒸气)灯 · 其显色指数 Ra > 60 · 155W < 功率 ≤405W · 其汞含量不超过 (每盏) : 40mg	到期日: 2023年2月24日	(EU) 2022/283	
4(b)-III	通用照明用高压钠(蒸气)灯 · 其显色指数 Ra > 60 · 功率 >405W · 其汞含量不超过 (每盏) : 40mg	到期日: 2023年2月24日	(EU) 2022/283	
4(c)	其它普通照明用的高压钠(蒸气)灯中的汞含量不超过(每盏) :		(EU) 2022/275	
4(c)-I	功率 ≤ 155W : 20 mg	到期日: 2027年2月24日	(EU) 2022/275	
4(c)-II	155W < 功率 ≤ 405W : 25 mg	到期日: 2027年2月24日	(EU) 2022/275	
4(c)-III	功率 > 405W : 25 mg	到期日: 2027年2月24日	(EU) 2022/275	
6(a)-I	鉛用於機械加工用途之鋼材的合金元素之一, 含量不超過 0.35 %	到期日: 適用於所有類別, 有效期至2027年06月30日		
6(a)-II	在批量熱浸鍍鋅鋼材 (batch hot-dip galvanised steel) 的鉛含量不超過 0.2 %	到期日: 適用於所有類別, 有效期至2027年06月30日		
6 (b)	鉛為鋁合金中的合金元素之一, 鉛含量不超過 0.4 %	到期日: 2027年06月11日		
6(b)-I	鉛為鋁合金中的合金元素之一, 鉛含量不超過 0.4 % (鉛源自於回收鉛鋁廢料)	到期日: 第1-7及10類: 2027年12月11日 第9類中工業監控設備及第11類: 2027年06月30日		
6(b)-II	鉛用於機械加工用途之鋁合金 · 鉛含量不超過 0.4%	到期日: 第1-7及10類: 2027年06月11日 第9類中工業監控設備及第11類: 2027年06月30日		
6(b)-III	鉛作為鋁合金鑄造合金 (aluminium casting alloys) 中的合金元素 · 鉛含量高達 0.3% (鉛源自於回收鉛鋁廢料)	到期日: 第1-8、9 (不包含工業監控設備) 及10類: 2027年06月30日		
6(c)	銅合金中的鉛含量不超過 4 %	到期日: 2027年06月30日		
7(a)	高熔点型焊料中的鉛 (即含鉛重量85%或以上的鉛基合金)	到期日: 適用於所有類別 (除本附件第24点涵蓋的申請外) · 有效期至2027年6月30日。		
7 (a) -I	高熔点型焊料中的鉛 (即含鉛重量85%或以上的鉛基合金) 用于内部连接芯片或其他组件 · 与半导体组件中稳态或瞬态/脉冲电流为0.1安培或以上 · 阻断电压超过10伏 · 或芯片边缘尺寸大于0.3毫米×0.3毫米的芯片	到期日: 适用于所有类别 (除本附件第24点涵蓋的申請) · 截止日期为2027年12月31日。		

序号	豁免项目	应用范围及终止日期	相关指令	备注
7(a)-II	高熔点型焊料中的铅（即含铅重量85%或以上的铅基合金） 对于电气和电子元件中芯片的集成（即内部和外部）连接，前提是满足以下所有条件： —固化/烧结成型材料的热导率>35瓦/米×开尔文； —固化/烧结成型材料的热导率>4.7毫秒/米； —固相熔点高于260°C	到期日： 适用于所有类别（除本附件第24点涵盖的申请），截止日期为2027年12月31日。		歐盟於 2025 年 11 月 21 日正式公告，本指令自其在《欧盟官方公报》发布后的第二十天生效
7(a)-III	高熔点型焊料中的铅（即含铅重量85%或以上的铅基合金） 在制造元件的一级焊点（内部或整体连接——即内部和外部连接）中，确保后续将电子元件安装到子组件（如模块、子电路板、基板或点对点焊接）上时，不会用二次焊锡重新流焊第一层焊锡。本子条目不包括模具连接应用和密封	到期日： 适用于所有类别（除本附件第24点涵盖的申请），截止日期为2027年12月31日。	(EU) 2025/1802	
7(a)-IV	高熔点型焊料中的铅（即含铅重量85%或以上的铅基合金） 用于将元件连接到印刷电路板或引线框架的二级焊点中： (1)用于焊接陶瓷球栅阵列（BGA）； (2)在高温塑料包模（> 220°C）中	到期日： 适用于所有类别（除本附件第24点涵盖的申请），截止日期为2027年12月31日。		
7(a)-V	高熔点型焊料中的铅（即含铅重量85%或以上的铅基合金） 作为以下密封材料的密封材料： (1)陶瓷封装或插头和金属外壳； (2)组件终端及内部子部件	到期日： 适用于所有类别（除本附件第24点涵盖的申请），截止日期为2027年12月31日。		
7(a)-VI	高熔点型焊料中的铅（即含铅重量85%或以上的铅基合金） 用于在红外加热、高强度放电灯或烤箱灯中，灯具组件之间建立电气连接	到期日： 适用于所有类别（除本附件第24点涵盖的申请），截止日期为2027年12月31日。		
7(a)-VII	高熔点型焊料中的铅（即含铅重量85%或以上的铅基合金） 适用于峰值工作温度超过200°C的音频换能器	到期日： 适用于所有类别（除本附件第24点涵盖的申请），截止日期为2027年12月31日。		
7(b)	用于服务器、存储器和存储阵列系统中的焊料中的铅，用于为交换、信号发送、传输的网络基础设备中及电信网络管理设施中的焊料中的铅		/	
7(c)-I	在电容器中含有铅的电气和电子元件，除介电陶瓷外，如压电元件，或玻璃或陶瓷基体化合物中含铅	到期日： 适用于所有类别，截止日期为2027年6月30日。	(EU) 2025/2363	歐盟於 2025 年 11 月 21 日正式公告，本指令自其在《欧盟官方公报》发布后的第二十天生效
7(c)-II	介质陶瓷中的铅，用于额定电压为125伏交流电或250伏直流电或更高电压	到期日： 适用于所有类别（除第7(c)-I点或第7(c)-IV点所涵盖的申请），截止日期为2027年12月31日。”		
7(c)-III	额定电压小于交流电 125 伏特或直流电 250 伏特的介电陶瓷电容器中的铅	到期日 2013 年 1 月 1 日，之后，可用于 2013 年 1 月 1 日以前投放市场的电子电气产品的配件。	/	
7(c)-IV	以锆钛酸铅（PZT）为基础的介电陶瓷材料的电容器的铅，该电容器为集成电路或分立半导体的组成部分	到期日： 第1-7及10类：2021年7月21日； 第8及9类（不包含体外诊断医疗设备和工业监控设备）：2021年7月21日； 第8类中体外诊断医疗设备：2023年7月21日； 第9类中工业监控设备及第11类：2024年7月21日。	(EU) 2019/170	
7(c)-V	含有铅的电气和电子元件，装在具有以下任一功能的玻璃或玻璃基体中： (1)用于高压二极管和晶圆玻璃层的玻璃珠的保护和电气绝缘； (2)用于陶瓷、金属和/或玻璃部件之间的密封； (3)用于键合目的，在过程参数窗口中<500°C，粘度为1013.3 dPas（“玻璃转变温度”）； (4)用作电阻材料，如墨水，电阻率范围为1欧姆/平方欧至100兆欧/平方，不包括修剪电位器； (5)用于微通道板（MCP）、通道电子倍增器（CEM）和电阻玻璃制品（RGP）的化学改性玻璃表面。	到期日： 适用于所有类别，截止日期为2027年12月31日。	(EU) 2025/2363	歐盟於 2025 年 11 月 21 日正式公告，本指令自其在《欧盟官方公报》发布后的第二十天生效
7(c)-VI	陶瓷中含有铅的电气和电子元件，满足以下任一功能： (1)用于压电锆钛酸盐（PZT）陶瓷； (2)用于为陶瓷提供正温度系数（PTC）。	到期日： 适用于所有类别（除本附件第7(c)-II、7(c)-III和7(c)-IV点及附件IV第14点所涵盖的申请外），并于2027年12月31日有效期。		
8(a)	一次性的球型热熔断体中的镉及其化合物	到期日 2012 年 1 月 1 日，之后，可用于 2012 年 1 月 1 日以前投放市场的电子电气产品的配件。	/	
8(b)	电接触材料中的镉及其化合物	适用于第8、9及11类产品，到期日： 第8及9类（不包含体外诊断医疗设备和工业监控设备）：2021年7月21日； 第8类中体外诊断医疗设备：2023年7月21日； 第9类中工业监控设备及第11类设备：2024年7月21日。	(EU) 2019/171	
8(b)-I	电接触材料中的镉及其化合物用于： —断路器 —热传感控制 —热马达保护器（不包括密封式热马达保护器）；—交流开关额定功率：•6A 及以上在 250V 交流电及以上；或 •12A 及以上在 125V 交流电及以上；—额定电压为 20A 及以上的直流开关，额定电压为 18V 及以上的直流开关；和 —在电压电源频率≥200 Hz 下使用	适用于第 1~7 类和第 10 类设备，到期日：2021 年 7 月 21 日	(EU) 2019/171	
9	六价铬作为吸收式制冷机中碳钢冷却系统的防腐剂，在冷却溶液中的含量最高为 0.75%。	适用于第8、9和11类，到期日： 第8和9类：2021年7月21日（体外诊断医疗设备、工业监视设备及控制设备除外）； 第8类之体外诊断医疗设备：2023年7月21日； 第9类中工业监控设备及第11类设备：2024年7月21日。	(EU) 2020/361	

序号	豁免项目	应用范围及终止日期	相关指令	备注
9(a)-I	吸收式冰箱 (包括小冰箱) 的碳钢冷却系统的冷却液中, 按重量计最多含 0.75% 的六价铬用作防腐剂, 该制冷机设计为完全或部分使用电加热器运行, 在恒定的运行条件下平均输入功率 < 75W。	适用于第1-7类、第10类产品, 到期日为2021年3月5日	(EU) 2020/361	
9(a)-II	在吸收式制冷机的碳钢冷却系统的冷却溶液中用作防腐剂的重量百分比含量最高为 0.75% 的六价铬: -- 设计为完全或部分地使用电加热器工作, 在恒定的运行条件下, 平均使用的功率输入 ≥ 75W; -- 旨在完全与非电加热器一起使用	适用于第1-7类、第10类产品, 到期日为2021年7月21日	(EU) 2020/361	
9(a)-III	在用于空间和水加热的气体吸收式热泵的碳钢密封回路的工作液中用作防腐剂的六价铬含量不高于 0.7% (以重量计)	适用于第 1 类产品 (大型家用电器), 2026年 12 月 31 日到期	(EU) 2023/171	
9(b)	用于供暖、通风、空调和制冷 (HVACR) 的含制冷剂的压缩机的轴承壳和衬套中的铅	适用于第8、9及11类产品, 到期日: 第8类 体外诊断医疗设备, 至2023年7月21日; 第9类 工业监视及控制仪器 及 第11类, 至2024年7月21日; 第8及9类的其他子类别, 至2021年7月21日	(EU) 2017/1010	
9(b)-(I)	用于加热、通风、空调和制冷 (HVACR) 的规定输入功率等于或低于 9 kW 的含制冷剂的密封涡旋压缩机的轴承壳和衬套中的铅	适用于第1类产品, 到期日至2019年7月21日	(EU) 2017/1010	
11(a)	C-press 顺应针连接系统中所使用的铅	可用于 2010 年 9 月 24 日以前投放市场的电子电气产品的配件。	/	
11(b)	除了 C-press 之外的顺应针连接系统中所使用的铅;	到期日 2013 年 1 月 1 日, 之后, 可用于 2013 年 1 月 1 日以前投放市场的电子电气产品的配件。	/	
12	用于导热模块中 C-环的镀层材料中的	可用于 2010 年 9 月 24 日以前投放市场的电子电气产品的配件。	/	
13(a)	白色光学玻璃中所用的铅	适用于所有产品类别, 到期日: 第8类 体外诊断医疗设备, 至2023年7月21日; 第9类 工业监视及控制仪器 及 第11类, 至2024年7月21日; 所有其他类别及子类别, 至2021年7月21日。	(EU) 2017/1011	
13(b)	滤光玻璃及用来作反射率标准片的玻璃中所用的铅及镉	适用于第8、9及11类产品, 到期日: 第8类 体外诊断医疗设备, 至2023年7月21日; 第9类 工业监视及控制仪器 及 第11类, 至2024年7月21日; 第8及9类的其他子类别, 至2021年7月21日。	(EU) 2017/1009	
13(b)-(I)	离子彩色光学滤光玻璃中的铅	适用于产品类别 第1~7及10类, 到期日至2021年7月21日	(EU) 2017/1009	
13(b)-(II)	光学滤光玻璃中的镉; 不包括本附件第 39 点中的设备		(EU) 2017/1009	
13(b)-(III)	反射标准片中釉料中的镉和铅		(EU) 2017/1009	
14	微处理器的引脚与封装体连接所使用的铅, 含量占80%~85%的含两种以上元素的焊料中的铅	到期日 2011 年 1 月 1 日, 之后, 可用于 2011 年 1 月 1 日以前投放市场的电子电气产品的配件。	/	
15	集成电路倒装芯片封装中半导体芯片及载体之间形成可靠连接所用焊料中的铅	适用于第8、9和11类, 到期日: 第8 和 9类: 2021年7月21日 (体外诊断医疗设备、工业监视设备及控制设备除外); 第8类之体外诊断医疗设备: 2023年7月21日; 第9类之工业监控设备及第11类设备: 2024年7月21日。	(EU) 2019/172	
15(a)	用于在集成电路倒装芯片封装中完成半导体芯片和载体之间可行的电气连接的焊料中的铅, 至少适用下列条件之一: - 90 纳米或以上的半导体技术节点; - 在任何半导体技术节点上的大于等于 300 mm ² 的单个芯片; - 芯片尺寸大于等于 300 mm ² 的堆叠芯片封装, 或者大于等于 300 mm ² 的硅插技术。	适用于第1-7及10类, 到期日: 2021年7月21日	(EU) 2019/172	
16	带硅酸盐套管的线型白炽灯中的铅	到期日: 2013年9月1日	/	
17	用于专业复印设备的高强度放电灯(HID)中, 作为发光剂的卤化铅		/	
18(a)	特殊用途的放电灯, 例如用于重氮复印、平板印刷、捕虫器、光化学和食品加工过程的含有磷光物质 (如 SMS ((Sr, Ba) 2MgSi2O7:Pb)) 的特种灯, 铅作为荧光触媒剂 (其中铅含量在其重量的 1% 或以下)	到期日: 2011年1月1日	/	
18(b)	被用作含磷(例如 BSP (BaSi2O5:Pb)) 的日晒灯的荧光粉(重量不超过 1% 的铅)中作为活化剂的铅	到期日: 第1-7及10类: 2021年7月21日; 第8及9类 (不包含体外诊断医疗设备和工业监控设备): 2021年7月21日; 第8类中体外诊断医疗设备: 2023年7月21日; 第9类中工业监控设备及第11类: 2024年7月21日	(EU) 2019/177	
18(b)-I	用于医疗光疗设备的荧光灯(含荧光粉, 如 BSP (BaSi2O5:Pb)) 的荧光粉(重量不超过 1% 的铅)中作为活化剂的铅	适用于第 5 类和第 8 类设备, 不包括附件四第 34 项中的用途, 到期日 2021 年 7 月 21 日。	(EU) 2019/177	
19	超小型节能灯 (ESL) 主汞齐组分 PbBiSn-Hg 和 PblnSn-Hg, 以及辅助汞齐组分 PbSn-Hg 中的铅含量	到期日: 2011年6月1日	/	
20	液晶显示器中连接前后平板荧光灯基质的玻璃中的氧化铅	到期日: 2011年6月1日	/	
21	印刷油墨中的铅和镉, 用于在玻璃 (如硼硅酸盐和钠钙玻璃) 上涂搪瓷	适用于第8、9及11类设备, 到期日: 第8及9类 (不包含体外诊断医疗设备和工业监控设备): 2021年7月21日; 第8类中体外诊断医疗设备: 2023年7月21日; 第9类中工业监控设备及第11类设备: 2024年7月21日。	(EU) 2019/173	
21(a)	用于彩色玻璃以提供过滤功能, 及用作安装在 EEE 显示器和控制面板中的照明应用的组件中的镉	适用于第 1~7 类和第 10 类设备 (除第21(b)项或第 39 项中的用途外), 到期日 2021 年 7 月 21 日	(EU) 2019/173	
21(b)	用于玻璃上釉的印刷油墨中的镉, 如硼硅酸盐和钠石灰玻璃	适用于第 1~7 类和第 10 类设备 (除第21(b)项或第 39 项中的用途外), 到期日 2021 年 7 月 21 日	(EU) 2019/173	
21(c)	用于硼硅酸盐玻璃以外的搪瓷的印刷油墨中的铅	适用于第 1-7 及 10 类, 到期日 2021 年 7 月 21 日	(EU) 2019/173	
23	引线框架的引脚间距不大于 0.65 mm 的细间距元器件 (不包括连接器类) 的表面处理中的铅。	可用于 2010 年 9 月 24 日以前投放市场的电子电气产品的配件。	/	

序号	豁免项目	应用范围及终止日期	相关指令	备注
24	通孔盘状及平面阵列陶瓷多层电容器焊料所含的铅。	到期日： 第 1-7 及 10 类：2021 年 7 月 21 日； 第 8 及 9 类（不包含体外诊断医疗设备和工业监控设备）：2021 年 7 月 21 日； 第 8 类中体外诊断医疗设备：2023 年 7 月 21 日； 第 9 类中工业监控设备及第 11 类：2024 年 7 月 21 日	(EU) 2018/737	
25	表面传导式电子发射显示器 (SED) 的构件所用的氧化铅，特别是密封玻璃料以及环状玻璃。		/	
26	蓝黑灯玻璃外罩所含的氧化铅。	到期日：2011年6月1日	/	
27	用作大功率扬声器（特指连续几小时运转在声功率 125 分贝以上）中传感器的焊料的铅合金。	到期日：2010年9月24日	/	
29	理事会第 69/493/EEC 号指令附件一(第 1、2、3 和 4 类)所界定的水晶玻璃中的铅	到期日： 第 1-7 及 10 类：2021 年 7 月 21 日； 第 8 及 9 类（不包含体外诊断医疗设备和工业监控设备）：2021 年 7 月 21 日； 第 8 类中体外诊断医疗设备：2023 年 7 月 21 日； 第 9 类中工业监控设备及第 11 类：2024 年 7 月 21 日。	(EU) 2019/174	
30	用于位于声压强度 (SPL) 大于或等于 100 分贝的大功率扬声器音圈上的电导体的电气/机械焊点的锡合金。		/	
31	无汞平板荧光灯（例如用于液晶屏、设计或工业照明）中的焊料的铅		/	
32	用于氩和氟激光管防护窗组合件的封装玻璃料里的铅的氧化物。	到期日： 第 1-7 及 10 类：2021 年 7 月 21 日； 第 8 及 9 类（不包含体外诊断医疗设备和工业监控设备）：2021 年 7 月 21 日； 第 8 类中体外诊断医疗设备：2023 年 7 月 21 日； 第 9 类中工业监控设备及第 11 类：2024 年 7 月 21 日	(EU) 2019/175	
33	用以焊接电源变压器中直径 100 微米及以下的细铜线的焊料中的铅		/	
34	金属陶瓷微调电位器中的铅	到期日： 第 1-7 及 10 类：2021 年 7 月 21 日； 第 8 及 9 类（不包含体外诊断医疗设备和工业监控设备）：2021 年 7 月 21 日； 第 8 类中体外诊断医疗设备：2023 年 7 月 21 日； 第 9 类中工业监控设备及第 11 类：2024 年 7 月 21 日	(EU) 2018/738	
36	直流等离子体显示器中作为阴极溅射抑制剂中的汞含量最高为30 mg	到期日 2010 年 7 月 1 日	/	
37	磷酸锌玻璃上的高压二极管镀层中的铅	到期日： 第 1-7 及 10 类：2021 年 7 月 21 日； 第 8 及 9 类（不包含体外诊断医疗设备和工业监控设备）：2021 年 7 月 21 日； 第 8 类中体外诊断医疗设备：2023 年 7 月 21 日； 第 9 类中工业监控设备及第 11 类：2024 年 7 月 21 日	(EU) 2019/176	
38	用氧化铍与铝键合制成的厚膜涂料中镉和氧化镉		/	
39(a)	用于显示照明应用中的下转换镉基半导体纳米晶体量子点中的硒化镉（每平方毫米的发光区域的镉小于0.2µg）	适用于所有类别 到期日：2025年11月21日	(EU) 2024/1416	
39(b)	直接沉积在用于显示和投影应用的 LED 半导体芯片上的降频半导体纳米晶体量子点中的镉（每平方毫米 LED 芯片表面的镉小于5 µg），每个设备的最大含量为 1 mg	适用于所有类别 到期日：2027年12月31日	(EU) 2024/1416	
40	专业的声频设备中使用的模拟光耦合器中的光敏电阻器中的镉	到期日：2013年12月31日	2012/51/EU	
41	由于技术原因，必须直接安装在曲轴箱或手持内燃机汽缸内的，点火模块和其他电气和电子发动机控制系统中使用的电子电气元件的焊料和最终表面材料，以及印刷电路板表面材料中铅 (欧洲议会和理事会指令 97/68 / EC 的分类为 SH : 1 · SH : 2 · SH : 3)	到期日： 第 1 至 7、10 和 11 类：2022年3月31日； 第 8 和 9 类：2021年7月21日(体外诊断医疗设备、工业监视设备及控制设备除外)； 第 8 类之体外诊断医疗设备：2023年7月21日； 第 9 类之工业监控设备：2024年7月21日。	(EU) 2020/365	
42	适用于非道路专业使用设备的柴油或燃气内燃机轴承和衬套中的铅： --总排量≥15 升的发动机；或 --总排量 < 15 升的发动机，设计用于启动和满载之间的时间要求小于 10 秒的应用场合； 或者其日常维护通常在恶劣和脏乱的户外环境中，例如采矿、建筑和农业应用。	适用于第 11 类设备，本附件 6(c)条涵盖的产品除外，到期日 2024 年 7 月 21 日。	(EU) 2019/178	

序号	豁免项目	应用范围及终止日期	相关指令	备注
43	设计用于非专门供消费者使用的设备中发动机系统中橡胶部件的 DEHP，且该部件不与人体粘膜接触或不与人体皮肤长时间接触，其 DEHP 的浓度值不超过： (a) 30% (w/w)，针对以下橡胶部件： (i) 垫圈涂层； (ii) 固体橡胶圈；或 (iii) 用于橡胶组件中的橡胶部件，该组件至少有三个部件是利用电能、机械能或液压能工作，并连接到发动机上。 (b) 10% (w/w)，针对除 (a) 外的橡胶部件。 本条中“与人体皮肤长时间接触”指每日持续接触超过 10 分钟或间歇接触 30 分钟	适用于第 11 类设备，到期日 2024 年 7 月 21	(EU) 2019/1845	
44	被安装于在操作时用于固定位置的设备（设计供专业人士使用，也可供非专业用户使用）中的，属于欧洲法规（EU）2016/1628 管控范围内的内燃机中的传感器、驱动器和发动机控制单元上的焊料中的铅。	适用于第 11 类设备，到期日 2024 年 7 月 21 日。	(EU) 2019/1846	
45	民用（专业）炸药电子起爆器中的叠氮化铅、收敛酸铅、二苦氨酸铅、铅橙（四氧化三铅）、二氧化铅以及民用（专业）炸药电子起爆器的长时间爆破延时药剂中的铬酸钡。	适用于第 11 类产品，到期日 2026 年 4 月 20 日。	(EU) 2021/647	
46	用于电动门窗的塑料型材中的镉和铅，该塑料型材含聚氯乙烯废弃物（以下简称“回收硬质 PVC”）生产的混合物，在回收硬质 PVC 材料中镉的浓度不超过 0.1%（按重量计）和铅的浓度不超过 1.5%（按重量计）。 自 2026 年 5 月 28 日起，从电动门窗回收的硬质 PVC 只能用于生产 REACH 法规 ((EC)1907/2006 (REACH)) 附件 XVII 第 63 条第 18(a) 至 (d) 点指定类别的新物品，含回收硬质 PVC 且铅浓度大于等于 PVC 材料重量 0.1% 的 PVC 物品的供应商应确保，在将这些物品投放市场之前，在物品上标有明显、清晰且不可磨灭的声明：“铅含量 ≥ 0.1%”（“Contains ≥ 0,1 % lead”）。若因物品性质无法在物品上标记的，应当在物品的包装上标记。含有再生硬质 PVC 的 PVC 制品的供应商应根据要求向国家执法当局提交书面证据，以证实这些制品中 PVC 的回收来源。由提供可追溯性和回收成分证明的计划颁发的证书，如根据 EN 15343:2007 或同等公认标准制定的证书，可用于证明欧盟生产的 PVC 制品的此类声明。有关进口物品中 PVC 回收来源的声明，须附有由独立第三方签发的证书，提供可追溯性和回收成分的同等证明。	适用于第 11 类，到期日 2028 年 5 月 28 日。	EU 2024/232	

备注：

- 根据 RoHS 指令，豁免条款在过期前 18 个月可提出延期申请，欧盟会根据科技发展和替代方案的可行性评估是否延期，在欧盟对豁免条款延期申请做出最终决定前，现有的豁免条款仍然有效。
- RoHS 指令豁免条款列出了特定产品类别的豁免条件及豁免有效期。若未特别说明豁免有效期，则按以下期限执行豁免：

产品类别	豁免有效期
1.大型家用电器	最长有效期为5年（从2011年7月22日起计算）
2.小型家用电器	最长有效期为5年（从2011年7月22日起计算）
3.信息技术和通讯设备	最长有效期为5年（从2011年7月22日起计算）
4.消费类设备	最长有效期为5年（从2011年7月22日起计算）
5.照明设备	最长有效期为5年（从2011年7月22日起计算）
6.电动工具	最长有效期为5年（从2011年7月22日起计算）
7.玩具、休闲和运动设备	最长有效期为5年（从2011年7月22日起计算）
8a.其他医疗设备	最长有效期为7年（从2014年7月22日起计算）
8b.体外诊断医疗器械	最长有效期为7年（从2016年7月22日起计算）
9a.其他监控设备	最长有效期为7年（从2014年7月22日起计算）
9b.工业监控设备	最长有效期为7年（从2017年7月22日起计算）
10.自动售货机	最长有效期为5年（从2011年7月22日起计算）
11.不在上述类别范围内的其他电子电气产品	最长有效期为5年（从2019年7月22日起计算）

310-0031-02A

REACH SVHC 253 Substance List

批次	No.	物质名	EC NO.	CAS NO.	列入原因	示例用途	限制值	ECHA发布日期	XAC收集日期
36批次	263	n-hexane 正己烷	203-777-6	110-54-3	Specific target organ toxicity after repeated exposure (Article 57(f) - human health) 重复暴露后的特定靶器官毒性 (Article 57(f)-人类健康)	常用于复配、聚合物加工、涂料及清洗剂中使用。	1000	2026/2/4	2026/2/24
	262	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts 4,4'-[2,2,2-三氟-1-(三氟甲基)亚乙基]双酚 (BPAF) 及其盐	-	-	Toxic for reproduction (Article 57c) 生殖毒性 (Article 57c)	常用作聚合物材料生产中的过程调节剂以及交联剂。	1000	2026/2/4	2026/2/24
35批次	251	1,1'-(ethane-1,2-diyl)bis(pentabromobenzene) (DBDPE) 十溴二苯乙烷 (DBDPE)	284-366-9	84852-53-9	vPvB (Article 57e) 高持久性和高蓄积性物质 (Article 57e)	阻燃作用阻燃料, 用于聚合物、树脂、涂料、粘合剂、纺织品等	1000	2025/11/5	2025/12/2
34批次	250	tetra(sodium/potassium) 7-[(E)-[2-acetamido-4-[(E)-4-[[4-chloro-6-(2-(4-fluoro-6-[[4-(vinylsulfonyl)phenyl]amino]-1,3,5-triazine-2-yl)amino]propyl]amino]-1,3,5-triazine-2-yl]amino]-5-sulfonato-1-naphthyl]diazonyl]-5-methoxyphenyl]diazonyl]-1,3,6-naphthalenetrisulfonate (Reactive Brown 51) substance having a complex composition with <80% of the above constituents and other reaction side products 四(钠/钾)7-[(E)-[2-乙酰氨基-4-[(E)-4-[[4-氯-6-[[4-(2-乙烯磺酰基)苯基]氨基]-1,3,5-三嗪-2-基]氨基]丙基]氨基]-1,3,5-三嗪-2-基]氨基]-5-磺基-1-萘基]偶氮]-5-甲氧基苯基]偶氮]-1,3,6-萘三磺酸盐 (活性棕 51)	466-490-7	-	(Article 57c) 生殖毒性	用于纺织品处理产品和染料	1000	2025/6/25	2025/7/1
	249	decamethyltetrasiloxane 十甲基四硅氧烷	205-491-7	141-62-8	vPvB (Article 57e) 高持久性和高蓄积性物质	用于化妆品和个人护理产品、润滑剂和润滑油, 以及汽车护理产品	1000	2025/6/25	2025/7/1
	248	1,1,1,3,5,5,5-heptamethyl-3-[[trimethylsilyloxy]trisiloxane 甲基三(三甲基硅氧烷基)硅烷	241-867-7	17928-28-8	vPvB (Article 57e) 高持久性和高蓄积性物质	用于实验室试剂、化妆品和个人护理产品, 以及香水香料	1000	2025/6/25	2025/7/1
33批次	247	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid 6-[(C10-C13)-烷基-(支链, 不饱和)-2,5-二氧吡啶-1-基]己酸	701-118-1	2156592-54-8	Toxic for reproduction (Article 57c) 生殖毒性 (Article 57c)	润滑剂、润滑油、脱模产品以及金属加工液的生产和使用。	1000	2025/1/21	2025/2/21
	246	0,0,0-triphenyl phosphorothioate 0,0,0-三苯基硫代磷酸酯	209-909-9	597-82-0	PBT (Article 57d) 持久性、生物累积性、毒性物质 (Article 57d)	润滑剂和润滑油的制造业务	1000	2025/1/21	2025/2/21
	245	Octamethyltrisiloxane 八甲基三硅氧烷	203-497-4	107-51-7	vPvB (Article 57e) 高持久性、生物累积性物质 (Article 57e)	涉及化妆品、个人健康护理产品、药品、洗涤和清洁产品的制造和/或配制, 同时也包括涂层、非金属材料表面处理以及密封胶和粘合剂的生产。	1000	2025/1/21	2025/2/21
	244	Perfluamine 全氟三胺	206-420-2	338-83-0	vPvB (Article 57e) 高持久性、生物累积性物质 (Article 57e)	电气、电子、光学设备, 以及机械和车辆的制造业务。	1000	2025/1/21	2025/2/21
	243	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives 三苯基硫代磷酸酯和叔丁基苯基衍生物的反应产物	421-820-9	192268-65-8	PBT (Article 57d) 持久性、生物累积性、毒性物质 (Article 57d)	目前无有效注册记录	1000	2025/1/21	2025/2/21
32批次	242	Triphenyl Phosphate 磷酸三苯酯	204-112-2	115-86-6	Endocrine disrupting properties (Article 57(f) - environment) 干扰内分泌 (Article 57(f)-环境)	作为阻燃料和增塑剂用于聚合物配方、胶粘剂和密封胶。	1000	2024/11/7	2024/11/17
31批次	241	Bis(α, α-dimethylbenzyl) peroxide 双(α, α-二甲基苄基)过氧化物 或者称为: 过氧化二异丙苯	201-279-3	80-43-3	Toxic for reproduction (Article 57c) 生殖毒性 (Article 57c)	加工助剂, 如阻燃料	1000	2024/6/27	2024/7/3
30批次	240	2,4,6-tri-tert-butylphenol 2,4,6-三叔丁基苯酚	211-989-5	732-26-3	生殖毒性 (Article 57c) 持久性、生物累积性、毒性物质 (PBT) (Article 57d)	另一种物质的制造; 混合物和燃料产品的配方。	1000	2023/1/23	2024/2/22
	239	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol 2-(2'-羟基-5'-特辛基苯基)苯并三唑 (紫外线吸收剂 UV-329)	221-573-5	3147-75-9	持久性和生物累积性极强 (vPvB) (第57e条)	空气护理产品, 涂料产品, 粘合剂和密封胶, 润滑油和油脂, 抛光剂和蜡以及洗涤和清洁产品。	1000	2023/1/23	2024/2/22
	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one (二甲氨基)-2-[(4-甲基苯基)甲基]-1-[4-(吗啉-4-基)苯基]丁-1-酮 (光引发剂 379)	438-340-0	119344-86-4	生殖毒性(第57c条)	墨水和调色剂, 涂料产品。	1000	2023/1/23	2024/2/22
	237	Bumetrizole 布美三唑 (紫外线吸收剂 UV-326)	223-445-4	3896-11-5	高持久性、生物累积性物质 (Article 57e)	涂料产品、粘合剂和密封胶以及洗涤和清洁产品。	1000	2023/1/23	2024/2/22
	236	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol 2-苯基丙烯与苯酚的低聚和烷基化反应产物	700-960-7	-	高持久性、生物累积性物质 (Article 57e)	粘合剂和密封胶, 涂料产品, 填料, 腻子, 石膏, 模型粘土, 油墨和调色剂和聚合物。	1000	2023/1/23	2024/2/22
29批次	235	bis(4-chlorophenyl) sulphone 4,4'-二氯二苯砜	201-247-9	80-07-9	高持久性、生物累积性物质 (Article 57e)	主要用于化学品、塑料制品和橡胶制品的制造	1000	2023/6/14	2023/7/14
	234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (2,4,6-三甲基苯甲酰基)二苯基氧化膦	278-355-8	75980-60-8	生殖毒性 (Article 57c)	用于油墨和调色剂、涂料产品、化学制品、聚合物、粘合剂和密封胶及填料、腻子、石膏和粘土。	1000	2023/6/14	2023/7/14
28批次	233	1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene] 1,2-双(2,4,6-三溴苯氧基)乙烷	253-692-3	37853-59-1	非常持久性和非常生物累积性物质 (vPvB) (第57e条)	尽管该物质尚未在REACH法规下注册, 但将其认定为高度关注物质可以被视为一种措施, 以避免其在将来成为其他物质的令人遗憾的替代物质	1000	2023/1/17	2023/2/1
	232	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol 四溴双酚 A	201-236-9	79-94-7	致癌性 (第57a条)	作为反应性阻燃料, 在聚合物树脂的制造中作为添加性阻燃料, 用于环氧树脂涂层电路板、印刷电路板、纸张和纺织品等产品中	1000	2023/1/17	2023/2/1
	231	4,4'-sulphonyldiphenol 双酚 S	201-250-5	80-09-1	生殖毒性 (第57c条); 内分泌干扰性 (第57f条 - 对环境); 内分泌干扰性 (第57f条 - 对人类健康)	制造纸张、纸和纸制品、纺织品、皮革或毛皮、化学品	1000	2023/1/17	2023/2/1
	230	Barium diboron tetraoxide 偏硼酸钡	237-222-4	13701-59-2	生殖毒性 (第57c条)	用于油漆和涂料中	1000	2023/1/17	2023/2/1
	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof 四溴邻苯二甲酸双(2-乙基己基)酯, 涵盖任何单独的异构体和/或其组合	-	-	非常持久性和非常生物累积性物质 (vPvB) (第57e条)	作为柔性聚氯乙烯(PVC)的阻燃料和增塑剂, 用于电线和电缆绝缘层、薄膜、薄片、地毯衬垫、带涂层的纺织品、墙面材料和粘合剂	1000	2023/1/17	2023/2/1
	228	Isobutyl 4-hydroxybenzoate 尼泊金异丁酯	224-208-8	4247/2/3	内分泌干扰性 (第57f条 - 对人类健康)	制造物质, 以及用于以下产品: 涂料产品、填料、腻子、石膏、造型粘土、油墨和墨粉	1000	2023/1/17	2023/2/1
227	Me-lamine 三聚氰胺	203-615-4	108-78-1	可能对人类健康产生严重影响, 造成同等程度关注 (第57f条 - 对人类健康); 可能对环境产生严重影响, 造成同等程度关注 (第57f条 - 对环境)	用于聚合物和树脂、涂料产品、粘合剂和密封胶、皮革处理产品、实验室化学品中	1000	2023/1/17	2023/2/1	

批次	No.	物质名	EC NO.	CAS NO.	列入原因	示例用途	限制值	ECHA发布日期	XAC收集日期
	226	Perfluoroheptanoic acid and its salts 全氟庚酸及其盐类	-	-	生殖毒性 (第57条c款)；持久性、生物累积性及毒性 (PBT) (第57d款)；非常持久性和非常生物累积性物质 (vPvB) (第57条e款)；可能对人类健康产生严重影响，造成同等程度关注 (第57条f款 - 对人类健康)；可能对环境产生严重影响，造成同等程度关注 (第57条g款 - 对环境)	尽管该物质尚未在REACH法规下注册，但将其认定为高度关注物质可以视为一种措施，以避免其在将来成为其他物质的令人遗憾的替代物质	1000	2023/1/17	2023/2/1
	225	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine 2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙-2-基)吗啉和2,2,3,3,5,5,6,6-八氟-4-(七氟丙基)吗啉的反应物	473-390-7		非常持久性和非常生物累积性物质 (vPvB) (第57条e款)	在物品中使用，被专业工人广泛使用，用于在配方或重新包装，在工业场所和制造业中使用	1000	2023/1/17	2023/2/1
27批次	224	N-hydroxymethylacrylamide N-羟甲基丙烯酰胺	213-103-2	924-42-5	致癌性 (第 57a 条)；致突变性 (第 57b 条)	聚合单体，作为一种氟烷基丙烯酸酯共聚物，可用于纤维的改性、树脂加工、塑料粘合剂、土壤稳定剂以及油漆和涂料等。	1000	2022/6/10	2022/7/20
26批次	223	6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol 6,6'-二叔丁基-2,2'-亚甲基二对甲酚	204-327-1	119-47-1	生殖毒性 (第 57 c 条)	液体润滑剂混合物的配方；工业上用于粘合剂和油墨；工业上用于生产橡胶 (非轮胎) 和非橡胶聚合物	1000	2022/1/17	2022/1/19
	222	tris(2-methoxyethoxy)vinylsilane 三(2-甲氧基乙氧基)乙烯基硅烷	213-934-0	1067-53-4	生殖毒性 (第 57 c 条)	用于制造橡胶和塑料；在密封胶中使用；非金属材料表面处理，用作单体 (生产有机硅聚合物、有机硅树脂)	1000	2022/1/17	2022/1/19
	221	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) (±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]二环[2.2.1]庚烷-2-酮 包涵任意异构体和/或其组合	-	-	内分泌干扰性 (第 57(f) 条 - 人类健康)	化合物/最终产品的配方；低粘度液体和固体化妆品配方；高粘度身体护理产品的配方；非液体乳膏的配制	1000	2022/1/17	2022/1/19
	220	S-(tricyclo(5.2.1.0(2,6)deca-3-en-8(or 9)-yl) 0-(isopropyl or isobutyl or 2-ethylhexyl) 0-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate S-(三环(5.2.1.0(2,6)十氢-3-烯-8(or 9)-基)-0-(异丙基或异丁基或2-乙基己基)0-(异丙基或异丁基或2-乙基己基)二硫代磷酸酯	401-850-9	255881-94-8	持久性、生物累积性及毒性 PBT (第 57d 条)	润滑剂添加剂、润滑剂和润滑脂的工业配方	1000	2022/1/17	2022/1/19
25批次	219	1,4-dioxane 1,4-二恶烷	204-661-8	123-91-1	可能对环境造成严重影响而引起同等水平关注 (Article 57f-环境) 可能对人类健康造成严重影响而引起同等水平关注 (Article 57f-人类健康)	主要用作合成化学品溶剂，亦可作为副产物产生。	1000	2021/7/8	2021/10/14
	218	2,2-bis(bromomethyl) propane 1,3-diol (BMP)；2,2-dimethylpropane-1-ol, tribromoderivative / 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)；2,2,3-dibromo-1-propanol (2,3-DBPA) 2,2-双(溴甲基)丙烷 1,3-二醇 (BMP)；2,2-二甲基丙烷-1-醇、三溴衍生物/3-溴-2,2-双(溴甲基)-1-丙醇 (TBNPA)；2,3-二溴-1-丙醇 (2,3-DBPA)	221-967-7 253-057-0 202-480-9	3296-90-0 1522-92-5 36483-57-5 96-13-9	致癌性 (Article 57a)	BMP 常用于工业生产聚合物的反应性阻燃中间体；TBNPA 常用于塑料制品的聚合物生产，作为反应性加工助剂注册；2,3-DBPA 常作为精细化学品生产中间体。	1000	2021/7/8	2021/10/14
	207	2-methylimidazole 2-甲基咪唑	211-765-7	693-98-1	生殖毒性 (Article 57c)	作为涂料产品生产中的催化剂	1000	2020/6/25	2020/6/25
	206	1-vinylimidazole 1-乙烯基咪唑	214-012-0	1072-63-5	生殖毒性 (Article 57c)	作为聚合物生产的单体	1000	2020/6/25	2020/6/25
22批次	205	Perfluorobutane sulfonic acid (PFBS) and its salts 全氟丁烷磺酸及其相关盐类	-	-	可能对环境造成严重影响而引起同等水平关注 (Article 57f-环境) 可能对人类健康造成严重影响而引起同等水平关注 (Article 57f-人类健康)	在聚合物生产和化学合成中用作催化剂/添加剂/反应物。也用作聚碳酸酯的阻燃剂 (用于电子设备)	1000	2020/1/16	2020/1/16
	204	Diisohexyl phthalate 二异己基邻苯二甲酸酯	276-090-2	71850-09-4	生殖毒性 (Article 57c)	尚未在 REACH 下注册	1000	2020/1/16	2020/1/16
	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one 2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮	400-600-6	71868-10-5	生殖毒性 (Article 57c)	用于聚合物生产	1000	2020/1/16	2020/1/16
	202	2-benzyl-2-dimethylamino-4'-morpholinobutylprophenone 2-苄基-2-二甲氨基-1-(4-吗啉基)丁酮	404-360-3	119313-12-1	生殖毒性 (Article 57c)	用于聚合物生产	1000	2020/1/16	2020/1/16
21批次	201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof 2,2,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基衍生物 (包括单体和组合)	-	-	对环境有严重影响而引起同等水平关注 (Article 57f-环境) 对人类健康有严重影响而引起同等水平关注 (Article 57f-人类健康)	用作加工助剂生产氟聚合物。	1000	2019/7/16	2019/7/16
	200	2-methoxyethyl acetate 2-甲氧基乙基乙酸酯	203-772-9	110-49-6	生殖毒性 (Article 57c)	尚未进行 REACH 注册。	1000	2019/7/16	2019/7/16
	199	4-tert-butylphenol 4-叔丁基苯酚	202-679-0	98-54-4	内分泌干扰性 (Article 57f - 环境)	用于涂料产品，聚合物，粘合剂，密封剂和其他聚合物的合成	1000	2019/7/16	2019/7/16
	198	Tris(4-nonylphenyl, branched and linear) phosphite (INPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) 三(4-壬基苯基，支链和直链)亚磷酸酯 (INPP) (含≥0.1%的支链和直链4-壬基苯酚)	-	-	内分泌干扰性 (Article 57f - 环境)	主要用作抗氧化剂来稳定聚合物。	1000	2019/7/16	2019/7/16
20批次	197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one 3-benzylidene camphor; 3-BC 1,7,7-三甲基-3-(苯亚甲基)二环[2.2.1]庚-2-酮	239-139-9	15087-24-8	内分泌干扰性 (Article 57f - 环境)	尚未进行 REACH 注册。	1000	2019/1/15	2019/1/15
	196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane 2,2-二(4-羟基苯基)-4-甲基戊烷	401-720-1	6807-17-6	401-720-1	REACH 下没有有效注册。	1000	2019/1/15	2019/1/15
	195	Benzo[k]fluoranthene 苯并[k]荧蒽	205-916-6	207-08-9	致癌性 (Article 57a) PBT (Article 57d) vPvB (Article 57e)	尚未进行 REACH 注册。	1000	2019/1/15	2019/1/15
	194	Fluoranthene 荧蒽	205-912-4	206-44-0; 93951-69-0	PBT (Article 57d) vPvB (Article 57e)	尚未进行 REACH 注册。	1000	2019/1/15	2019/1/15
	193	Phenanthrene 菲	201-581-5	85-01-8	vPvB (Article 57e)	尚未进行 REACH 注册。	1000	2019/1/15	2019/1/15
	192	Pyrene 芘	204-927-3	129-00-0; 1718-52-1	PBT (Article 57d) vPvB (Article 57e)	用作精细化学品生产的运输中间体。	1000	2019/1/15	2019/1/15
19批次	191	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA 1,2,4-苯三酸酐 (邻苯三酸酐) (TMA)	209-008-0	552-30-7	呼吸致敏特性 (Article 57f) - 人类健康	用于制造酯和聚合物。	1000	2018/6/27	2018/6/27
	190	Benzo[ghi]perylene 苯并[ghi]芘 (二苯并[a,h]芘) (BPE)	205-883-8	191-24-2	PBT (Article 57d) vPvB (Article 57e)	未进行 REACH 注册。通常不是有意生产的，而是作为其他物质的成分或杂质出现。	1000	2018/6/27	2018/6/27
	189	Decamethylcyclotetrasiloxane D5 十甲基环五硅氧烷 (D5)	208-764-9	541-02-6	PBT (Article 57d) vPvB (Article 57e)	用于洗涤和清洁产品，抛光剂，蜡，化妆品和个人护理产品，纺织品处理产品和染料。	1000	2018/6/27	2018/6/27
	188	Dicyclohexyl phthalate DCHP 邻苯二甲酸二环己酯 (DCHP)	201-545-9	84-61-7	生殖毒性 (Article 57 c) 内分泌干扰性 (Article 57f) - 人类健康	用于塑料溶胶，PVC，橡胶和塑料制品。另外用作有机过氧化物配方的减敏剂和分散剂。	1000	2018/6/27	2018/6/27
	187	Disodium octaborate 氧化硼钠	234-541-0	12008-41-2	生殖毒性 (Article 57 c)	用于防冻产品，传热流体，润滑剂和润滑脂以及清洗和清洁产品。	1000	2018/6/27	2018/6/27
	186	Dodecamethylcyclotetrasiloxane D6 十二甲基环六硅氧烷 (D6)	208-762-8	540-97-6	PBT (Article 57d) vPvB (Article 57e)	用于洗涤和清洁产品，抛光剂，蜡，化妆品和个人护理产品。	1000	2018/6/27	2018/6/27
	185	Ethylenediamine EDA 乙二胺	203-468-6	107-15-3	呼吸致敏特性 (Article 57f) - 人类健康	用于粘合剂和密封剂，涂料产品，填料，油墨，石膏，造型粘土，pH 调节剂和水处理产品。	1000	2018/6/27	2018/6/27
	184	lead 铅	231-100-4	7439-92-1	生殖毒性 (Article 57 c)	用于金属，焊接和焊剂产品，金属表面处理产品和聚合物。	1000	2018/6/27	2018/6/27
	183	Octamethylcyclotetrasiloxane D4 八甲基环四硅氧烷 (D4)	209-136-7	556-67-2	PBT (Article 57d) vPvB (Article 57e)	用于洗涤和清洁产品，抛光剂，蜡，化妆品和个人护理产品。	1000	2018/6/27	2018/6/27
	182	Terphenyl hydrogenated 氢化三联苯	262-967-7	61788-32-7	vPvB (Article 57e)	用作塑料添加剂，溶剂，用于涂料/油墨，粘合剂和密封剂以及传热流体。	1000	2018/6/27	2018/6/27

批次	No.	物质名	EC NO.	CAS NO.	列入原因	示例用途	限制值	ECHA发布日期	XAC收集日期
18批次	181	Benz[a]anthracene 苯并[a]蒽	200-280-6	56-55-3, 1718-53-2	致癌 持久性、生物累积性、毒性高持久性、高生物累积性	通常不是有意生产，而是作为其他物质中的成分或杂质	1000	2018/1/15	2018/1/15
	180	Cadmium carbonate 碳酸镉	208-168-9	513-78-0	致癌 致畸 经重复接触后，引起特定器官中毒	用作 pH 调节剂，用于水处理产品、实验室化学品、化妆品和个人护理产品	1000	2018/1/15	2018/1/15
	179	Cadmium hydroxide 氢氧化镉	244-168-5	21041-95-2	致癌 致畸 经重复接触后，引起特定器官中毒	用于生产电气和光学设备以及实验室化学品	1000	2018/1/15	2018/1/15
	178	Cadmium nitrate 硝酸镉	233-710-6	10022-68-1, 10325-94-7	致癌 致畸 经重复接触后，引起特定器官中毒	用于生产玻璃、瓷器、陶瓷产品和实验室化学品	1000	2018/1/15	2018/1/15
	177	Chrysene 屈	205-923-4	218-01-9, 1719-03-5	致癌 持久性、生物累积性、毒性高持久性、高生物累积性	通常不是有意生产，而是作为其他物质中的成分或杂质	1000	2018/1/15	2018/1/15
	176	Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene (“Dochlorane Plus™”) covering any of its individual anti- and syn-isomers or any combination thereof 德克隆(包含任何顺式与反式同分异构体或其组成)	-	-	高持久性、高生物累积性	用作非增塑剂阻垢剂，用于胶粘剂，密封剂和粘合剂	1000	2018/1/15	2018/1/15
	175	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPb1) 1,3,4-噻二唑-2,5-二硫酮、甲醛与支链和直链4-庚基苯酚的反应产物(含有支链和直链4-庚基苯酚重量比大于或等于0.1%)	-	-	内分泌干扰性-环境	用作润滑剂和润滑油中的润滑剂添加剂	1000	2018/1/15	2018/1/15
17批次	174	Perfluorohexane-1-sulphonic acid and its salts PFHxS 全氟己基磺酸及其盐 (PFHxS)	-	-	vPvB(Article 57 e)	尚未进行 REACH 注册。可被用作增塑剂、润滑剂、表面活性剂、润湿剂、缓蚀剂和灭火泡沫	1000	2017/7/7	2017/7/7
16批次	173	4,4'-isopropylidenediphenol 双酚A	201-245-8	80-05-7	生殖毒性(Article 57 c)对人类健康有严重影响而引起同等水平的关注 (Article 57 f) 对环境有严重影响而引起同等水平的关注 (Article 57 f)	生产聚碳酸酯、环氧树脂和化学品；环氧树脂的固化剂	1000	2017/1/12	2017/1/12
	172	4-Heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof 4-庚基苯酚，支链和直链 包括含有7个碳烷基链的所有独立的同分异构体和所有含有线性或分支7个碳烷基链的UVCB物质	-	-	对环境有严重影响而引起同等水平的关注(Article 57 f)	生产聚合物；配制润滑剂	1000	2017/1/12	2017/1/12
	171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Nonadecafluorodecanoic acid EC no.: 206-400-3 CAS no.: 335-76-2 Ammonium nonadecafluorodecanoate EC no.: 221-470-5 CAS no.: 3108-42-7 Decanoic acid, nonadecafluoro-, sodium salt EC no.: - CAS no.: 3830-45-3 十九氟癸酸 (PFDA) 及其钠盐和铵盐	206-400-3 - 221-470-5	3108-42-7 335-76-2 3830-45-3	生殖毒性(Article 57 c) PBT(Article 57 d)	润滑剂、润湿剂、增塑剂及缓蚀剂	1000	2017/1/12	2017/1/12
	170	p-(1,1-dimethylpropyl)phenol 对叔戊基苯酚 (PTAP)	201-280-9	80-46-6	对环境有严重影响而引起同等水平的关注(Article 57 f)	生产化学品和塑料产品	1000	2017/1/12	2017/1/12
15批次	169	Benzo[def]chrysene 苯并花	200-028-5	50-32-8	致癌(Article 57 a) 致突变(Article 57 b) 生殖毒性(Article 57c) PBT(Article 57d) vPvB(Article 57e)	通常不是有意制造，但是可能作为组成成分或者其他物质的杂质存在	1000	2016//06/20	2016//06/20
14批次	168	1,3-propanesultone 1,3-丙基磺酸内酯	214-317-9	1120-71-4	致癌性 (Article 57a)	锂离子电池的电解液	1000	2015/12/17	2015/12/17
	167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) 2,4-二叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚 紫外线吸收剂 UV-327	223-383-8	3864-99-1	vPvB (Article 57 e)	涂层、塑料、橡胶和化妆品的紫外线防护	1000	2015/12/17	2015/12/17
	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) 2-(2H-苯并三唑-2-基)-4-特丁基-6-仲丁基苯酚 紫外线吸收剂UV-350	253-037-1	36437-37-3	vPvB (Article 57 e)	涂层、塑料、橡胶和化妆品的紫外线防护	1000	2015/12/17	2015/12/17
	165	Nitrobenzene 硝基苯	202-716-0	98-95-3	生殖毒性 (Article 57 c)	生产其他物质	1000	2015/12/17	2015/12/17
	164	Perfluorononan-1-oiic-acid and its sodium and ammonium salts 全氟壬酸及其钠盐和铵盐	206-801-3	375-95-1 21049-39-8 4149-60-4	生殖毒性 (Article 57c) PBT (Article 57d)	含氟聚合物的生产助剂/润滑油添加剂/灭火器表面活性剂/清洁剂/纺织品防污整理剂/抛光表面活性剂/液晶显示面板防水剂	1000	2015/12/17	2015/12/17
13批次	163	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate 邻苯二甲酸二(C6-C10)烷基酯; 邻苯二甲酸二(癸基、己基、辛基)酯与1,2-邻苯二甲酸的复合物且邻苯二甲酸二己酯含量≥0.3%	271-094-0 272-013-1	68515-51-5 68648-93-1	生殖毒性 (Article 57 c)	主要用作增塑剂、润滑剂、包括用于粘合剂、涂料、建材、电线电缆聚合物箔片、PVC 和艺术材料(如造型粘土和手拍油漆)等	1000	2015/6/15	2015/6/15
	162	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof] 5-仲丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1], 5-仲丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [覆盖任何[1]和[2]或者其任意组合的单独的异构体(卡拉花酸及其同分异构体)]	-	-	vPvB (Article 57 e)	广泛应用于香水、肥皂、洗衣粉等日化产品，同时，它还具有出色的织物留香能力，被广泛用于香波和织物柔顺剂中	1000	2015/6/15	2015/6/15
12批次	161	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) 紫外线吸收剂 THV-328	247-384-8	25973-55-1	PBT (Article 57 d); vPvB (Article 57 e)	适用于聚烯烃(特别是聚氯乙烯)、聚酯、苯乙烯类、聚酰胺、聚碳酸酯等聚合物	1000	2014/12/17	2014/12/17
	160	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) 紫外线吸收剂 UV-320	223-346-6	3846-71-7	PBT (Article 57 d); vPvB (Article 57 e)	用于塑料和其他有机材料中，如不饱和聚酯、PVC、PVC 增塑剂等，赋予光稳定剂。	1000	2014/12/17	2014/12/17
	159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) 硫代甘醇酸异辛酯二正辛基锡	239-622-4	15571-58-1	生殖毒性 (Article 57 c)	聚氯乙烯稳定剂，适用于硬质和软质制品，有一定的增塑作用。	1000	2014/12/17	2014/12/17
	158	Cadmium fluoride 氟化镉	232-222-0	7790-79-6	致癌性 (Article 57 a); 致突变 (Article 57 b); 生殖毒性 (Article 57 c); 有科学证据证明会对人类或环境引起严重影响的物质 (Article 57 f)	磷光体、核反应堆中子吸收剂、有机合成和脱蜡的催化剂、NH4ClO4的分解抑制剂，还可用于制荧光粉、玻璃、阴极射线管和激光晶体。	1000	2014/12/17	2014/12/17
	157	Cadmium sulphate 硫酸镉	233-331-6	10124-36-4, 31119-53-6	致癌性 (Article 57 a); 致突变 (Article 57 b); 生殖毒性 (Article 57 c); 有科学证据证明会对人类或环境引起严重影响的物质 (Article 57 f)	塑料工业中用作聚氯乙烯的防老剂。电池工业中用作锂电池、韦斯顿电池和其他标准电池中的电解质。医药工业中用作角膜炎等洗眼水中的防腐剂。分析化学中，用作马氏试剂法中的催化剂，以用于检测硫化氢和反丁烯二酸；还用于标准磷元素和其他磷盐的制造。也用于磷肥生产。	1000	2014/12/17	2014/12/17
156	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-(2-ethylhexyl)oxy]-2-oxoethylthio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) 硫代甘醇酸异辛酯二正辛基锡(DOTE)和(2-乙基基锡基乙酸)辛锡(MOTE)反应产物	-	-	生殖毒性 (Article 57 c)	塑料稳定剂。	1000	2014/12/17	2014/12/17	
11批次	155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear 邻苯二甲酸二己酯	271-093-5	68515-50-4	生殖毒性 (Article 57c)	电线电缆，胶皮手套，手套，鞋子，塑料制品，食品包装，玩具等。	1000	2014/6/16	2014/6/16
	154	Sodium perborate; perboric acid, sodium salt 过硼酸钠 过硼酸，钠盐	-	239-172-9; 234-390-0	生殖毒性 (Article 57c)	常用作阴丹士林染料显色的氧化剂，原布的漂白、脱脂，医药上用作消毒剂 and 杀菌剂，也可用作煤染剂、洗涤剂助剂、脱臭剂，电镀液的添加剂，分析试剂，有机合成聚合剂，以及制牙膏、化妆品等	1000	2014/6/16	2014/6/16
	153	Sodium peroxometaborate 过硼酸钠	231-556-4	7632-04-4	生殖毒性 (Article 57c)	用作氧化剂、消毒剂、杀菌剂、煤染剂、脱臭剂、电镀液添加剂等	1000	2014/6/16	2014/6/16

批次	No.	物质名	BC NO.	CAS NO.	列入原因	示例用途	限制值	ECHA发布日期	XAC收集日期
	152	Cadmium chloride 氯化镉	233-296-7	10108-64-2	致癌性 (Article 57a) 致畸性 (Article 57b) 生殖毒性 (Article 57c) 重复暴露后的特定靶器官毒性 (Article 57(f)-人类健康)	用于制造照相纸和复写纸的药剂、锂电池, 还可用作陶瓷釉彩、合成纤维染料和光学镜头增光剂	1000	2014/6/16	2014/6/16
10批次	151	Cadmium sulphide 硫化镉	215-147-8	1306-23-6	致癌性 (Article 57a) 重复暴露后的特定靶器官毒性 (Article 57(f)-人类健康)	用作半导体材料、发光材料及搪瓷、玻璃、陶瓷、塑料、油漆着色	1000	2013/12/16	2013/12/16
	150	Dihexyl phthalate 邻苯二甲酸二正己酯	201-559-5	84-75-3	生殖毒性 (Article 57c)	用于树脂合成, 用作制鞋剂	1000	2013/12/16	2013/12/16
	149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) C.I. 直接红28	209-358-4	573-58-0	致癌性 (Article 57a)	曾广泛用于棉、粘胶的染色, 用作吸附指示剂, 用于测定卤化物、硫酸盐和砷等。用作薄层色谱法测定磺胺类药物除菌剂的显色剂。还用作生物染色剂。	1000	2013/12/16	2013/12/16
	148	Disodium 4-amino-3-[[4'-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) C.I. 直接黑38	217-710-3	1937-37-7	致癌性 (Article 57a)	主要用于棉、麻、粘胶等纤维纺织品的染色, 也可用于蚕丝、涤纶及其混纺织物的染色, 还可用于皮革、生物和木材的染色、塑料的着色及作为赤色墨水的原料等。	1000	2013/12/16	2013/12/16
	147	Imidazolidine-2-thione (2-imidazoline-2-thiol) 2-巯基咪唑啉	202-506-9	96-45-7	生殖毒性 (Article 57c)	用作橡胶促进剂、铜光亮剂	1000	2013/12/16	2013/12/16
	146	Lead di(acetate) 乙酸铅	206-104-4	301-04-2	生殖毒性 (Article 57c)	主要用于生产硼酸铅、硬脂酸铅等铅盐的原料。在颜料工业醋酸铅同红磺钠反应, 是制取铬黄(即铬酸铅)的基本原料。在纺织工业中, 用做蓬帆布配铅皂防水的原料。在电镀工业中, 是氧化铜的发光剂, 也是皮毛行业染色助剂。	1000	2013/12/16	2013/12/16
	145	Trixylyl phosphate 磷酸三二甲苯酯	246-677-8	25155-23-1	生殖毒性 (Article 57c)	用作增塑剂	1000	2013/12/16	2013/12/16
9批次	144	Cadmium oxide 氧化镉	215-146-2	1306-19-0	致癌性 (Article 57a) 重复暴露后的特定靶器官毒性 (Article 57(f)-人类健康)	主要用于电镀液、生产电池电极、镭颜料; 生产玻璃、陶瓷、油漆的助剂; 用作涤纶、腈纶纤维催化剂; 生产合金; 用于塑料及聚合物中作为稳定剂	1000	2013/6/20	2013/6/20
	143	Ammonium pentadecafluorooctanoate (APFO) 全氟辛酸铵	223-320-4	3825-26-1	生殖毒性 (Article 57c) PBT (Article 57d) 持久性、生物累积性、毒性物质 (Article 57d)	作为含氟聚合物或含氟橡胶的加工助剂; 作为生产不粘涂层炊具时使用的乳化剂等	1000	2013/6/20	2013/6/20
	142	Dipentyl phthalate (DPP) 邻苯二甲酸二戊酯	205-017-9	131-18-0	生殖毒性 (Article 57c)	主要用于聚氯乙烯的增塑剂	1000	2013/6/20	2013/6/20
	141	Pentadecafluorooctanoic acid (PFOA) 全氟辛酸	206-397-9	335-67-1	生殖毒性 (Article 57c)	聚四氟乙烯 (PTFE) 和聚偏二氟乙烯 (PVDF) 的加工助剂; 也有用于纺织、电镀及造纸业的加工助剂	1000	2013/6/20	2013/6/20
	140	Cadmium 镉	231-152-8	7440-43-9	致癌性 (Article 57a) 重复暴露后的特定靶器官毒性 (Article 57(f)-人类健康)	主要用于制造镍镉电池电极、塑料、眼镜、陶瓷、瓷釉的着色剂; 生产合金、金属镀层、颜料; 用于合成聚合物以提高其耐热性 (作为稳定剂)	1000	2013/6/20	2013/6/20
	139	Dipentyl phthalate (DPP) 邻苯二甲酸二正戊酯	205-017-9	131-18-0	V生殖毒性 (Article 57c)	主要用于聚氯乙烯的增塑剂	1000	2013/6/20	2013/6/20
8批次	138	Pentacosylfluorotridecanoic acid 全氟十三烷酸	276-745-2	72629-94-8	高持久性、生物累积性物质 (Article 57e)	主要用于作漆及涂层, 助焊剂, 消防泡沫, 包装纸, 清洁剂, 纺织品及皮革染料	1000	2012/12/19	2012/12/19
	137	Tricosylfluorododecanoic acid 全氟十二烷酸	206-203-2	307-55-1	高持久性、生物累积性物质 (Article 57e)	主要用于作漆及涂层, 助焊剂, 消防泡沫, 包装纸, 清洁剂, 纺织品及皮革染料	1000	2012/12/19	2012/12/19
	136	Henicosafluoroundecanoic acid 全氟十一烷酸	218-165-4	2058-94-8	高持久性、生物累积性物质 (Article 57e)	主要用于作漆及涂层, 助焊剂, 消防泡沫, 包装纸, 清洁剂, 纺织品及皮革染料	1000	2012/12/19	2012/12/19
	135	Heptacosylfluorotetradecanoic acid 全氟代十四烷酸	206-803-4	376-06-7	高持久性、生物累积性物质 (Article 57e)	主要用于作漆及涂层, 助焊剂, 消防泡沫, 包装纸, 清洁剂, 纺织品及皮革染料	1000	2012/12/19	2012/12/19
	134	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated covering well-defined substances and UVCB substances, polymers and homologues 4-(1,1,3,3-四甲基丁基)苯酚, 乙氧基化包括界定明确的物质以及 UVCB 物质、聚合物和同系物	-	-	内分泌干扰性 (Article 57(f)-环境)	用于清洁剂、乳化剂添加物、工业涂料	1000	2012/12/19	2012/12/19
	133	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HPA) 六氧邻苯二甲酸酐	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	ELC	用作增塑剂、驱虫剂、树脂改性剂和环氧树脂的固化剂	1000	2012/12/19	2012/12/19
	132	Methoxy acetic acid 甲氧基乙酸	210-894-6	625-45-6	生殖毒性 (Article 57c)	烷基树脂中之溶剂, MAA 亦作为化学中间体, 用于生产乙二醇甲醚 (EGME); 塑化剂, 常应用于涂料、印刷、纺织和皮革工业; 植物保护剂; 药品等。	1000	2012/12/19	2012/12/19
	131	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear 支链和直链1,2-苯二甲酸二戊酯	284-032-2	84777-06-0	生殖毒性 (Article 57c)	用于塑料制品之塑化剂	1000	2012/12/19	2012/12/19
	130	Diisopentylphthalate (DIPP) 邻苯二甲酸二异戊酯	210-088-4	605-50-5	生殖毒性 (Article 57c)	用于塑料制品之塑化剂, 推进燃料及爆炸物	1000	2012/12/19	2012/12/19
	129	1,2-Diethoxyethane 乙二醇二乙醚	211-076-1	629-14-1	生殖毒性 (Article 57c)	用于漆、油墨, 清洁剂; 液压及刹车液体, 抗结冰剂, 化学物质中间体	1000	2012/12/19	2012/12/19
	128	Dibutyltin dichloride (DBT) 二丁基锡	211-670-0	683-18-1	生殖毒性 (Article 57c)	用于生产橡胶轮胎, 化学中间体, PVC 塑料稳定剂, 绝缘体, 涂层	1000	2012/12/19	2012/12/19
	127	Acetic acid, lead salt, basic 碱式乙酸铅	257-175-3	51404-69-4	生殖毒性 (Article 57c)	用于油漆, 涂层, 油漆去除剂, 稀释剂	1000	2012/12/19	2012/12/19
	126	Basic lead carbonate (trilead bis(carbonate)dihydroxide) 碱式碳酸铅	215-290-6	1319-46-6	生殖毒性 (Article 57c)	防锈漆, 油漆, 涂料, 半导体, 印刷油墨	1000	2012/12/19	2012/12/19
	125	Lead oxide sulfate (basic lead sulfate) 碱式硫酸铅	234-853-7	12036-76-9	生殖毒性 (Article 57c)	用于 PVC 加工制成, 其他聚合物及塑料产品	1000	2012/12/19	2012/12/19
	124	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate) 二盐基邻苯二甲酸铅	273-688-5	69011-06-9	生殖毒性 (Article 57c)	用于 PVC 加工制成, 其他聚合物及塑料产品	1000	2012/12/19	2012/12/19
	123	Fatty acids, C16-18, lead salts C16-18-脂肪酸铅盐	292-966-7	91031-62-8	生殖毒性 (Article 57c)	用于 PVC 加工制成, 其他聚合物及塑料产品	1000	2012/12/19	2012/12/19
	122	Lead dinitrate 硝酸铅	233-245-9	10099-74-8	生殖毒性 (Article 57c)	用于制造炸药, 武器, 弹药及颜料	1000	2012/12/19	2012/12/19
	121	Lead oxide (lead monoxide) 氧化铅	215-267-0	1317-36-8	生殖毒性 (Article 57c)	阴极射线管、光学玻璃和铅酸电池生产, 水晶玻璃生产, 陶瓷制品, 生产橡胶产品, 火药生产, 漆, 颜料	1000	2012/12/19	2012/12/19
	120	Lead tetroxide (orange lead) 四氧化三铅	215-235-6	1314-41-6	生殖毒性 (Article 57c)	阴极射线管、光学玻璃和铅酸电池生产, 水晶玻璃生产, 陶瓷制品, 生产橡胶产品, 火药生产, 漆, 颜料	1000	2012/12/19	2012/12/19
	119	Lead titanium trioxide 钛酸铅	235-038-9	12060-00-3	生殖毒性 (Article 57c)	半导体, 涂料, 电子陶瓷零件	1000	2012/12/19	2012/12/19
	118	Lead Titanium Zirconium Oxide 钛酸铅锆	235-727-4	12626-81-2	生殖毒性 (Article 57c)	光学产品, 电子产品, 电子陶瓷零件	1000	2012/12/19	2012/12/19
	117	Pyrochloro, antimony lead yellow 颜料黄	232-382-1	8012-00-8	生殖毒性 (Article 57c)	灰浆, 水泥, 玻璃及陶瓷制品, 墨水, 涂层, 漆	1000	2012/12/19	2012/12/19
116	Sulfurous acid, lead salt, dibasic 亚硫酸铅 (II)	263-467-1	62229-08-7	生殖毒性 (Article 57c)	用于制造光学玻璃, 光纤纤维, 石膏, 陶瓷制品, 水泥, 玻璃, 水晶制品	1000	2012/12/19	2012/12/19	
115	Tetraethyllead 四乙基铅	201-075-4	78-00-2	生殖毒性 (Article 57c)	燃料油添加剂	1000	2012/12/19	2012/12/19	
114	Propylene oxide; 1,2-epoxypropane; methyloxirane 环氧丙烷	200-879-2	75-56-9	致癌性 (Article 57a) 致畸性 (Article 57b)	用于清洁剂及聚合物, 化学中间体	1000	2012/12/19	2012/12/19	
113	Dimethyl sulphate 硫酸二甲酯	201-058-1	77-78-1	致癌性 (Article 57a)	用于生产医药、染料、农药及聚合物	1000	2012/12/19	2012/12/19	
112	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 1 3-乙基-2-甲基-2-(3-甲基丁基)恶唑啉	421-150-7	143860-04-2	生殖毒性 (Article 57c)	用于 PU 聚合物的涂料	1000	2012/12/19	2012/12/19	
111	4-Aminoazobenzene; 4-Phenylazoaniline 对氨基偶氮苯	200-453-6	60-09-3	致癌性 (Article 57a)	染料中间体。用于合成偶氮染料, 分散染料; 还用于制油漆和颜料	1000	2012/12/19	2012/12/19	

批次	No.	物质名	EC NO.	CAS NO.	列入原因	示例用途	限制值	ECHA发布日期	XAC收集日期
	110	4-methyl-m-phenylenediamine (2,4-toluene-diamine) 1,2,4-二氨基甲苯	202-453-1	95-80-7	致癌性 (Article 57a)	硫化染料及其他有机合成	1000	2012/12/19	2012/12/19
	109	Biphenyl-4-ylamine 4-氨基联苯	202-177-1	92-67-1	致癌性 (Article 57a)	染料和农药中间体	1000	2012/12/19	2012/12/19
	108	N-methylacetamide N-甲基乙酰胺	201-182-6	79-16-3	生殖毒性 (Article 57c)	农药、化学物质中间体	1000	2012/12/19	2012/12/19
	107	4-Nonylphenol, branched and linear, ethoxylated [Substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] 乙氧基化的支链和直链的4-壬基酚 (直链和/或支链的具有9个碳原子的烷基链共价键合在4位的乙氧基酚, 囊括了UVCB和定义明确的物质, 聚合物及同系物, 其中包括任何单独的异构体和/或它们的组合)	-	-	ELCE	用于清洁剂、乳化剂添加物、工业涂料	1000	2012/12/19	2012/12/19
	106	Bis(pentabromophenyl) ether (DecaBDE) 十溴联苯醚	214-604-9	1163-19-5	持久性、生物累积性、毒性物质 (Article 57d) 高持久性、生物累积性物质 (Article 57e)	主要用作阻燃剂, 适用于塑胶、纺织品及电子零件	1000	2012/12/19	2012/12/19
	105	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) 偶氮二甲酰胺	204-650-8	123-77-3	内分泌干扰性 (Article 57(f)-人类健康)	主要用作水溶性胶水、涂层及墨水, 空气清新剂, 绝缘材料, 漂白剂, 通用型发泡剂, 催化剂	1000	2012/12/19	2012/12/19
	104	Hexahydrodethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride 甲基六氢苯酐、4-甲基六氢苯酐、甲基六氢邻苯二甲酸酐、3-甲基六氢邻苯二甲酸酐	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	内分泌干扰性 (Article 57(f)-人类健康)	用以生产树脂, 橡胶, 聚合物, 用以生产热塑性塑料	1000	2012/12/19	2012/12/19
	103	N-pentyl-isopentylphthalate 邻苯二甲酸正戊基异戊基酯	-	776297-69-9	生殖毒性 (Article 57c)	用于塑料制品之塑化剂	1000	2012/12/19	2012/12/19
	102	N,N-dimethylformamide; dimethyl formamide N,N-二甲基甲酰胺	200-679-5	68-12-2	生殖毒性 (Article 57c)	合成 PU 人造皮革, 印刷电路板生产, 皮革工业使用之清洁剂	1000	2012/12/19	2012/12/19
	101	Dioxobis(stearate)trilead 双(十八烷基)二氧代三铅	235-702-8	12578-12-0	生殖毒性 (Article 57c)	用于 PVC 加工制成, 其他聚合物及塑料制品	1000	2012/12/19	2012/12/19
	100	Lead bis(tetrafluoroborate) 氟硼酸铅	237-486-0	13814-96-5	生殖毒性 (Article 57c)	用于印刷线路的铅锡合金电 镀及铅低温焊接。也用作分析试剂。还用于电镀, 可作为电路板锡、铅合金的镀层	1000	2012/12/19	2012/12/19
	99	Lead cyanidate 氨基氰铅盐	244-073-9	20837-86-9	生殖毒性 (Article 57c)	用作防锈剂	1000	2012/12/19	2012/12/19
	98	Pentalead tetraoxide sulphate 氧化铅与硫酸铅的复合物	235-067-7	12065-90-6	生殖毒性 (Article 57c)	用于 PVC 加工制程, 电池生产, 塑料制品, 蓄电池, 稳定剂	1000	2012/12/19	2012/12/19
	97	Silicic acid, barium salt, lead-doped 铅掺杂的硅酸钡盐	272-271-5	68784-75-8	生殖毒性 (Article 57c)	玻璃灯泡涂层	1000	2012/12/19	2012/12/19
	96	Silicic acid, lead salt 硅酸铅	234-363-3	11120-22-2	生殖毒性 (Article 57c)	用于光学玻璃涂层	1000	2012/12/19	2012/12/19
	95	Tetraload trioxide sulphate 三氧代硫酸铅	235-380-9	12202-17-4	生殖毒性 (Article 57c)	用于塑料稳定剂, 颜料制造, 铅电池制造	1000	2012/12/19	2012/12/19
	94	Furan 呋喃	203-727-3	110-00-9	致癌性 (Article 57a)	用于粘合剂及树脂溶剂	1000	2012/12/19	2012/12/19
	93	Diethyl sulphate 硫酸二乙酯	200-589-6	64-67-5	致癌性 (Article 57a) 致畸性 (Article 57b)	用于生产医药、染料、农药及聚合物	1000	2012/12/19	2012/12/19
	92	Dinoseb 地乐酚	201-861-7	88-85-7	生殖毒性 (Article 57c)	用于生产聚合物, 树脂及橡胶	1000	2012/12/19	2012/12/19
	91	4,4'-methylenedi-o-toluidine 12,4,4'-二氨基-3,3'-二甲基二甲苯	212-658-8	838-88-0	致癌性 (Article 57a)	用作绝缘材料、聚氨酯粘合剂、环氧树脂固化剂等	1000	2012/12/19	2012/12/19
	90	4,4'-oxydianiline and its salts 4,4'-二氨基二苯醚	202-977-0	101-80-4	致癌性; 致诱变性	用于染料及树脂合成的中间体	1000	2012/12/19	2012/12/19
	89	6-methoxy-m-toluidine (p-cresidine) 2-甲氧基-5-甲基苯胺	204-419-1	120-71-8	致癌性 (Article 57a)	用于染料合成的中间体	1000	2012/12/19	2012/12/19
	88	6-aminoazotoluene 邻氨基偶氮甲苯	202-591-2	97-56-3	致癌性 (Article 57a)	染料和农药中间体	1000	2012/12/19	2012/12/19
	87	o-Toluidine; 2-Aminotoluene 邻甲基苯胺	202-429-0	95-53-4	致癌性 (Article 57a)	农药、染料、香料、化学物质中间体	1000	2012/12/19	2012/12/19
	86	1-bromopropane; n-propyl bromide 溴代正丙烷	203-445-0	106-94-5	生殖毒性 (Article 57c)	医药、农药、染料、香料、化学物质中间体	1000	2012/12/19	2012/12/19
	85	Trilead dioxide phosphonate 磷酸氧化铅	235-252-2	12141-20-7	生殖毒性 (Article 57c)	于聚氯乙烯稳定剂及其他型 胶稳定剂, 电线电缆	1000	2012/12/19	2012/12/19
7批次	84	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) 1,2-二(2-甲氧基乙氧基)乙烷	203-977-3	112-49-2	生殖毒性 (Article 57c)	主要用作溶剂, 或作为生产及配方工业用化学物质的加工剂。次要用于制动液及维修摩托车	1000	2012/6/18	2012/6/18
	83	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) 4,4'-二(二甲氨基)二苯基甲烷(米氏碱)	202-959-2	101-61-1	致癌性 (Article 57a)	用于生产染料及其他物质的 中间体	1000	2012/6/18	2012/6/18
	82	4,4'-bis(dimethylamino)benzophenone (Michler's ketone) 4,4'-二(N,N-二甲氨基)二苯基酮(米氏酮)	202-027-5	90-94-8	致癌性 (Article 57a)	生产三芳基甲烷染料及其他 物质的中间体。其他可能用途包括染料及色素中的添加剂(光敏剂); 用于干膜产品; 电路板生产过程中的操作助剂	1000	2012/6/18	2012/6/18
	81	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] a,a'-二(二甲氨基)苯基-4-甲氨基甲醇	209-218-2	561-41-1	致癌性 (Article 57a)	用于书写墨水的生产, 未来可能用于其他墨水及诸多材料的着色。	1000	2012/6/18	2012/6/18
	80	α, α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] C.I. 溶剂蓝4	229-851-8	6786-83-0	致癌性 (Article 57a)	主要用于关于印刷产品及书写墨水生产; 以及纸张染色挡风玻璃清洗剂的混合物生产。	1000	2012/6/18	2012/6/18
	79	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] C.I. 碱性紫3	208-953-6	548-62-9	致癌性 (Article 57a)	用于纸张上色及供打印油墨 盒及原子笔的墨水用。其他用途包括: 干燥植物染色、增加液体的显色度、染料、微生物及医学实验室染色	1000	2012/6/18	2012/6/18
	78	[4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] C.I. 碱性蓝26	219-943-6	2580-56-5	致癌性 (Article 57a)	用于油墨、清洁剂、涂料的生产; 也用于纸张、包装、纺织、塑料等产品的着色; 也应用于诊断和分析。	1000	2012/6/18	2012/6/18
	77	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) 乙二醇二甲醚	203-794-9	110-71-4	生殖毒性 (Article 57c)	主要用作溶剂, 或作为生产及配方工业用化学物质的加工剂, 包括锂电池电解液的溶剂	1000	2012/6/18	2012/6/18
	76	Diboron trioxide 三氧化二硼	215-125-8	1303-86-2	生殖毒性 (Article 57c)	用于多项工具中, 例如玻璃及玻璃纤维(搪瓷用)玻璃料、陶瓷制品、助熔剂、催化剂、工业用液体、冶金、黏合剂、墨水/油漆、衬底相片溶剂、洗涤剂及清洁剂、生物灭菌剂及杀虫剂	1000	2012/6/18	2012/6/18
	75	Lead(II) bis(methanesulfonate) 甲基磺酸铅	401-750-5	17570-76-2	生殖毒性 (Article 57c)	主要用作供电子部件的电镀 (电解除无电镀) 步骤, 例如印制电路板。亦用于特殊情况下用作电池	1000	2012/6/18	2012/6/18
	74	Formamide 甲酰胺	200-842-0	75-12-7	生殖毒性 (Article 57c)	主要用作中间体, 小部分用作溶剂及制药工业与化学实验室化学试剂, 未来可能用于农药及塑化剂。	1000	2012/6/18	2012/6/18
	73	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) 异氰尿酸三缩水甘油酯	219-514-3	2451-62-9	致畸性 (Article 57b)	主要用于树脂及涂料固化剂、电路板印刷业的油墨、电气绝缘材料、树脂成型系统、薄膜层、网印刷涂料、模具、黏合剂、纺织材料、塑料稳定剂。	1000	2012/6/18	2012/6/18

批次	No.	物质名	EC NO.	CAS NO.	列入原因	示例用途	限制值	ECHA发布日期	XAC收集日期
	72	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-trione (H,3H,5H)-trione (β-TGIC) 异氰酸酯-三缩水甘油酯	423-400-0	59653-74-6	致畸性 (Article 57b)	主要在欧盟用作阻焊油墨。亦用于电气绝缘材料, 树脂成型系统, 夹层板, 丝网印刷, 涂料, 工具, 粘合剂, 内衬材料和塑料稳定剂	1000	2012/6/18	2012/6/18
6批次	71	Bis(2-methoxyethyl) ether 1,1'-氧二(2-氯乙烷)	203-924-4	111-96-6	生殖毒性 (Article 57c)	主要被用于化学反应试剂, 也用作电池电解液和其他产品如密封胶, 胶粘剂, 燃料和汽车护理产品	1000	2011/12/19	2011/12/19
	70	1,2-dichloroethane 1,2-二氯乙烷	203-458-1	107-06-2	致癌性 (Article 57a)	主要用作生产其他物质, 次要用于化学工业及制药业的溶剂, 以及在实验室内	1000	2011/12/19	2011/12/19
	69	2-Methoxyaniline; o-Anisidine 2-甲氧基苯胺; 邻甲氧基苯胺	201-963-1	90-04-0	致癌性 (Article 57a)	主要用于生产纹身染料, 纸张、聚合物及铝线的染色	1000	2011/12/19	2011/12/19
	68	2,2'-dichloro-4,4'-methylenedianiline 3,3'-二氯-4,4'-二氨基二苯甲烷 (MOCA)	202-918-9	101-14-4	致癌性 (Article 57a)	主要用于树脂中的固化剂, 亦用于生产聚合物项目, 及制造其他物质。这些物质之后可能会用于建造及艺术中	1000	2011/12/19	2011/12/19
	67	4-(1,1,3,3-tetramethylbutyl)phenol 4-(1,1,3,3-四甲基丁基)苯酚	205-426-2	140-66-9	内分泌干扰性 (Article 57(f)-环境)	主要用于生产聚合物制品及乙基氯化物。亦用作黏合剂、涂层、墨水及橡胶部件的化合物	1000	2011/12/19	2011/12/19
	66	N,N-dimethylacetamide N,N-二甲基乙酰胺	204-826-4	127-19-5	生殖毒性 (Article 57c)	用作溶剂, 主要用于生产不同类型的物质、制造衣物的纤维及其他用途, 亦会用于试剂, 及其他产品, 例如工业涂层、聚酯薄膜、脱漆剂及除墨剂等	1000	2011/12/19	2011/12/19
	65	Lead stypnate 三硝基间苯二酚铅	239-290-0	15245-44-0	生殖毒性 (Article 57c)	主要用作小口径手枪的雷管、步枪弹药, 其他用途包括制造烟火、钉枪装置及民用引爆装置	1000	2011/12/19	2011/12/19
	64	Dichromium tris(chromate) 三铬铬合金 (铬酸盐)	246-356-2	24613-89-6	致癌性 (Article 57a)	主要用于航空航天、钢铁及铝涂层等金属表面处理部份	1000	2011/12/19	2011/12/19
	63	Formaldehyde, oligomeric reaction products with aniline 甲醛、苯胺和低聚体的反应生成物	500-036-1	25214-70-4	致癌性 (Article 57a)	主要用作生产其他物质, 其次用于核电厂的离子交换树脂、环氧树脂的硬化剂, 例如生产卷子、管子、铸模、黏合剂之用	1000	2011/12/19	2011/12/19
	62	Lead dipicrate 苦味酸铅	229-335-2	6477-64-1	生殖毒性 (Article 57c)	此物质的注册并未提交至 ECHA, 苦味酸铅和过氧化铅及收放酸铅, 均为爆炸性物质。少量的苦味酸铅可能会混合上述两种铅化合物, 用于引爆装置中	1000	2011/12/19	2011/12/19
	61	Arsenic acid 砷酸	231-901-9	7778-39-4	致癌性 (Article 57a)	主要用于移除陶瓷玻璃溶化中的气泡, 及在薄膜的印刷电路板上的气泡。在较少范围内, 此项物质同样用于半导体的生产中及用作实验室试剂	1000	2011/12/19	2011/12/19
	60	Calcium arsenate 砷酸钙	231-904-5	7778-44-1	致癌性 (Article 57a)	砷酸钙现用于生产铜、铅及其他贵金属的进口综合原 材料中, 主要用作铜熔炼中的沉淀剂, 及用作生产三氧化二砷, 不过此物质大多如废物被弃置	1000	2011/12/19	2011/12/19
	59	Trilead diarsenate 砷酸铅	222-979-5	3687-31-8	生殖毒性 (Article 57c) 致癌性 (Article 57a)	砷酸铅现用于生产铜、铅及其他贵金属的进口综合原 材料中。原材料中的砷酸铅在冶金提炼过程中会被转化成砷酸钙及三氧化二砷, 大部份砷酸钙都会如废物被弃置, 相反, 三氧化二砷仍会被使用	1000	2011/12/19	2011/12/19
	58	Phenolphthalein 酚酞	201-004-7	77-09-8	致癌性 (Article 57a)	主要用于实验室试剂, PH 试纸和医疗产品	1000	2011/12/19	2011/12/19
	57	Lead diazide, Lead azide 过氧化铅	236-542-1	13424-46-9	生殖毒性 (Article 57c)	主要用作民用及军事用途的引爆装置的启动器或助燃器, 亦作为烟火装置的启动器	1000	2011/12/19	2011/12/19
	56	Pentazine chromate octahydroxide 氢氧化铬酸锌	256-418-0	49663-84-5	致癌性 (Article 57a)	主要用于汽车涂层及航空天 用之涂层部份	1000	2011/12/19	2011/12/19
	55	Potassium hydroxyoctaoxidodizincatedichromate 羟基酸 钾酸 重铬酸钾	234-329-8	11103-86-9	致癌性 (Article 57a)	主要用于航空航天用之涂 层、钢铁及铝涂层及汽车 涂层部份	1000	2011/12/19	2011/12/19
	54	Bis(2-methoxyethyl) phthalate 邻苯二甲酸二甲氧乙酯	204-212-6	117-82-8	生殖毒性 (Article 57c)	此项邻苯二甲酸酯化合物的注册并未提交 ECHA, 因此, 该物质不可在欧盟生产或进口欧盟市场, 每年超过一公 吨。以往主要用于聚合物及油漆 塑化剂、定型剂及清漆, 亦包括印刷墨	1000	2011/12/19	2011/12/19
53	Zirconia Aluminosilicate Refractory Ceramic Fibres 氧化铝硅酸铝耐火陶瓷纤维	-	-	致癌性 (Article 57a)	耐火陶瓷纤维组主要用于高温防火, 工业(工业火炉和设备防火, 汽车和航空航天设备)和建筑, 生产的防火设备	1000	2011/12/19	2011/12/19	
52	Aluminosilicate Refractory Ceramic Fibres 硅酸铝耐火陶瓷纤维	-	-	致癌性 (Article 57a)	耐火陶瓷纤维组主要用于高温防火, 工业应用(工业火炉和设备防火, 汽车和航空航天设备)和建筑, 生产的防火设备	1000	2011/12/19	2011/12/19	
5批次	51	1,2,3-Trichloropropane 1,2,3-三氯丙烷; 三甲苯磷酸酯	202-486-1	96-18-4	生殖毒性 (Article 57c) 致癌性 (Article 57a)	脱脂剂溶剂、清洁剂、油漆稀释剂、杀虫剂、树脂和胶水	1000	2011/6/20	2011/6/20
	50	1-Methyl-2-pyrrolidone N-甲基吡咯烷酮	212-828-1	872-50-4	生殖毒性 (Article 57c)	1-甲基-2-吡咯烷酮主要用作 涂料溶剂、清洁产品、电子设备制造、半导体产业、石化、医药和农 药	1000	2011/6/20	2011/6/20
	49	2-Ethoxyethyl acetate 乙酸乙-醇乙酯; 2-乙氧基乙基乙酸酯; 乙酸乙基溶纤剂	203-839-2	111-15-9	生殖毒性 (Article 57c)	用于油漆、黏合剂、胶水、化妆品、皮革、木染料、半导体、摄影和光刻过程	1000	2011/6/20	2011/6/20
	48	Hydrazine 肼; 无水肼胺	206-114-9	7803-57-8 302-01-2	致癌性 (Article 57a)	用于金属涂层, 在玻璃和塑料之上; 用于塑料、橡胶、聚氨酯 (PU) 和染料之中	1000	2011/6/20	2011/6/20
	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters 邻苯二甲酸二(C7-11支链与直链)烷基酯	271-084-6	68515-42-4	生殖毒性 (Article 57c)	聚氯乙烯 (PVC) 塑料增塑剂、电缆和粘合剂	1000	2011/6/20	2011/6/20
	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich 邻苯二甲酸二(C6-8支链烷基酯)(富C7)	276-158-1	71888-89-6	生殖毒性 (Article 57c)	聚氯乙烯 (PVC) 塑料增塑剂、密封胶和印刷油墨	1000	2011/6/20	2011/6/20
	45	Strontium chromate 铬酸锶	232-142-6	7789-06-2	致癌性 (Article 57a)	用于油漆、清漆和油画颜料; 金属表面抗磨剂或铝片涂层之中	1000	2011/6/20	2011/6/20
4批次	44	2-乙氧基乙醇	203-804-1	110-80-5	生殖毒性 (Article 57c)	主要用作溶剂和化学中间体	1000	2010/12/15	2010/12/15
	43	2-Methoxyethanol 2-甲氧基乙醇	203-713-7	109-86-4	生殖毒性 (Article 57c)	主要用作溶剂, 化学中间体和添加剂的燃料	1000	2010/12/15	2010/12/15
	42	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. 三氧化二铬及其低聚物产生的酸	231-801-5 236-881-5	7738-94-5 13530-68-2	致癌性 (Article 57a)	铬酸溶于水会产生这些酸及其低聚物, 用途等同于铬酸	1000	2010/12/15	2010/12/15
	41	Chromium trioxide三氧化铬 (VI)	215-607-8	1333-82-0	致癌性 (Article 57a) 致畸性 (Article 57b)	用于金属表面和水性木材防腐剂的 处理和固定	1000	2010/12/15	2010/12/15
	40	钴Cobalt(II) dinitrate酸钴 (II)	233-402-1	10141-05-6	生殖毒性 (Article 57c) 致癌性 (Article 57a)	主要用于其他化学品及催化 剂的生产。其他应用程序可能包括表面处理和电池	1000	2010/12/15	2010/12/15
	39	Cobalt(II) sulphate 硫酸钴 (II)	233-334-2	10124-43-3	生殖毒性 (Article 57c) 致癌性 (Article 57a)	主要用于生产其他化学品。进一步应用程序可能包括催化剂和干燥剂, 表面处理 (如电镀生产), 防腐, 颜料生产, 染色 (玻璃, 陶瓷), 电池, 动物食品补充, 土壤化肥等	1000	2010/12/15	2010/12/15
	38	Cobalt(II) carbonate 碳酸钴 (II)	208-169-4	513-79-1	生殖毒性 (Article 57c) 致癌性 (Article 57a)	主要用于制造催化剂。其他可能使用包括饲料添加剂, 其他化学品生产, 颜料生产和黏附 (在地面层 黏剂)	1000	2010/12/15	2010/12/15
37	Cobalt(II) diacetate醋酸盐 (II)	200-755-8	71-48-7	生殖毒性 (Article 57c) 致癌性 (Article 57a)	主要用于制造催化剂。其他可能使用包括饲料添加剂, 其他化学品生产, 颜料生产和黏附 (在地面层 黏剂)	1000	2010/12/15	2010/12/15	
	36	Tetraboron disodium heptaoxide, hydrate 七氧化二钠四硼, 水合物	235-541-3	12267-73-1	生殖毒性 (Article 57c)	包括众多的应用用途, 如: 在玻璃和玻璃纤维、陶瓷, 去垢剂和清洁剂, 个人护理产品, 工业液体、冶金、黏合剂、阻燃剂、杀虫剂、化肥	1000	2010/6/18	2010/6/18
	35	Potassium dichromate 重铬酸钾; 红矾钾; 二铬酸钾	231-906-6	7778-50-9	生殖毒性 (Article 57c) 致癌性 (Article 57a) 致畸性 (Article 57b)	铬金属制造、金属涂层和处理、制造化学品和试剂、实验室 (分析剂)、清洗玻璃仪器、皮革鞣制、制造纺织品、照相平板、木材处理、冷却系统缓蚀剂	1000	2010/6/18	2010/6/18

批次	No.	物质名	EC NO.	CAS NO.	列入原因	示例用途	限值	ECHA发布日期	XAC收集日期
3批次	34	Ammonium dichromate 重铬酸铵；红矾铵；阿莫尼红矾	232-143-1	7789/9/5	生殖毒性 (Article 57c) 致癌性 (Article 57a) 致畸性 (Article 57b)	氧化剂、实验室（分析剂）、皮革鞣制、制造纺织品、感光屏幕制造（阴极射线管）	1000	2010/6/18	2010/6/18
	33	Boric acid 硼酸	233-139-2 234-343-4	10043-35-3 11113-50-1	生殖毒性 (Article 57c)	包括众多的应用用途，如：杀虫剂和防腐剂、个人护理产品、食品添加剂、玻璃、陶瓷、橡胶、化肥、阻燃剂、油漆、工业油、制动液、焊接产品和胶卷冲晒	1000	2010/6/18	2010/6/18
	32	Disodium tetraborate, anhydrous 无水四硼酸钠	215-540-4	1303-96-4 1330-43-4 12179-04-3	生殖毒性 (Article 57c)	包括众多的应用用途，如：在玻璃和玻璃纤维、陶瓷、去垢剂和清洁剂、个人护理产品、工业液体、冶金、黏合剂、阻燃剂、杀虫剂、化肥	1000	2010/6/18	2010/6/18
	31	Sodium chromate 铬酸钠	231-889-5	7775-11-3	生殖毒性 (Article 57c) 致癌性 (Article 57a) 致畸性 (Article 57b)	实验室（分析剂）生产其他铬化合物	1000	2010/6/18	2010/6/18
	30	Potassium chromate 铬酸钾	232-140-5	7789-00-6	致癌性 (Article 57a) 致畸性 (Article 57b)	金属涂层和处理、制造化学品和试剂、制造纺织品、陶瓷着色剂、皮革鞣制及染料、制造颜料/油墨、实验室（分析剂）	1000	2010/6/18	2010/6/18
	29	Trichloroethylene 三氯乙烯	201-167-4	79-01-6	致癌性 (Article 57a)	清洗和金属部件除油黏合剂的溶剂生产有机氯和氟化合物中间物	1000	2010/6/18	2010/6/18
2批次	28	Acrylamide 丙烯酰胺	201-173-7	79-06-1	生殖毒性 (Article 57c) 致癌性 (Article 57a)	聚丙烯酰胺，聚丙烯酰胺，灌浆剂	1000	2010/1/13	2010/1/13
	27	2,4-Dinitrotoluene 2,4-二硝基甲苯	204-450-0	121-14-2	致癌性 (Article 57a)	制造染料中间体，炸药，油漆，涂料	1000	2010/1/13	2010/1/13
	26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) 硫酸钼酸铅	235-759-9	12656-85-8	生殖毒性 (Article 57c) 致癌性 (Article 57a)	用于涂料，油墨和塑料制品的着色	1000	2010/1/13	2010/1/13
	25	Pitch, coal tar, high temp. 煤焦油沥青	266-028-2	65996-93-2	致癌性 (Article 57a) 持久性、生物累积性、毒性物质 (Article 57d) 高持久性、生物累积性物质 (Article 57e)	电极、防腐蚀、碳靶	1000	2010/1/13	2010/1/13
	24	Tris(2-chloroethyl)phosphate 磷酸三(2-氯乙基)酯	204-118-5	115-96-8	生殖毒性 (Article 57c)	阻燃剂、阻燃性增塑剂、金属萃取剂、润滑油、汽油添加剂，以及聚醚胺加工改性剂	1000	2010/1/13	2010/1/13
	23	Anthracene oil 蒽油	292-602-7	90640-80-5	致癌性 (Article 57a) 持久性、生物累积性、毒性物质 (Article 57d) 高持久性、生物累积性物质 (Article 57e)	橡胶制品，橡胶油，轮胎	1000	2010/1/13	2010/1/13
	22	Anthracene oil, anthracene-low 蒽油，低蒽；蒽油馏分	292-604-8	90640-82-7	致癌性 (Article 57a) 持久性、生物累积性、毒性物质 (Article 57d) 高持久性、生物累积性物质 (Article 57e)	橡胶制品，橡胶油，轮胎	1000	2010/1/13	2010/1/13
	21	Anthracene oil, anthracene paste, distn. Lights 蒽油，蒽糊，蒸馏轻油；蒽油馏分	295-278-5	91995-17-4	致癌性 (Article 57a) 持久性、生物累积性、毒性物质 (Article 57d) 高持久性、生物累积性物质 (Article 57e)	橡胶制品，橡胶油，轮胎	1000	2010/1/13	2010/1/13
	20	Anthracene oil, anthracene paste, anthracene fraction 蒽油，蒽糊，蒽馏分；蒽油馏分	95-275-9	91995-15-2	致癌性 (Article 57a) 持久性、生物累积性、毒性物质 (Article 57d) 高持久性、生物累积性物质 (Article 57e)	橡胶制品，橡胶油，轮胎	1000	2010/1/13	2010/1/13
	19	Anthracene oil, anthracene paste 蒽油，蒽糊；蒽油馏分	292-603-2	90640-81-6	致癌性 (Article 57a) 持久性、生物累积性、毒性物质 (Article 57d) 高持久性、生物累积性物质 (Article 57e)	橡胶制品，橡胶油，轮胎	1000	2010/1/13	2010/1/13
	18	Diisobutyl phthalate 邻苯二甲酸二异丁酯 (DIBP)	201-553-2	84-69-5	生殖毒性 (Article 57c) 内分泌干扰性 (Article 57(f)-人类健康)	树脂和橡胶的增塑剂，广泛用于塑料、橡胶、油漆及润滑油，乳化剂等工业中	1000	2010/1/13	2010/1/13
	17	Lead sulphochromate yellow (C.I. Pigment Yellow 34) 铬酸铅	215-693-7	1344-37-2	生殖毒性 (Article 57c) 致癌性 (Article 57a)	用于制造涂料、油墨、色浆、文教用品、塑料、塑料粉、橡胶、油彩颜料等着色	1000	2010/1/13	2010/1/13
	16	Lead chromate 铬酸铅 (II)	231-846-0	7758-97-6	生殖毒性 (Article 57c) 致癌性 (Article 57a)	可用作黄色颜料、氧化剂和火柴成分，油性合成树脂涂料、印刷油墨、水彩和油彩的颜料，色纸、橡胶和塑料制品的着色剂	1000	2010/1/13	2010/1/13
	1批次	15	Bis (2-ethylhexyl)phthalate (DEHP) 邻苯二甲酸二(2-乙基己基)酯)；	204-211-0	117-81-7	生殖毒性 (Article 57c) 内分泌干扰性 (Article 57(f)-环境) 内分泌干扰性 (Article 57(f)-人类健康)	PVC 增塑剂，液压液体和电容器里的绝缘体	1000	2008/10/28
14		Cobalt dichloride 氯化钴 (I I)	231-589-4	7646-79-9	生殖毒性 (Article 57c) 致癌性 (Article 57a)	干燥剂，例如硅胶	1000	2008/10/28	2008/10/28
13		4,4'-Diaminodiphenylmethane (MDA) 4,4'-二氨基二苯甲烷；	202-974-4	101-77-9	致癌性 (Article 57a)	偶氮染料，橡胶的环氧树脂固化剂	1000	2008/10/28	2008/10/28
12		5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) 二甲苯麝香	201-329-4	81-15-2	高持久性、生物累积性物质 (Article 57e)	香水，化妆品	1000	2008/10/28	2008/10/28
11		Triethyl arsenate 三乙砷酸酯	427-700-2	15606-95-8	致癌性 (Article 57a)	木材防腐剂	1000	2008/10/28	2008/10/28
10		Bis(tributyltin)oxide (TBTO) 三丁基氧化锡；	200-268-0	56-35-9	高持久性、生物累积性物质 (Article 57e)	木材防腐剂	1000	2008/10/28	2008/10/28
9		Diarsenic trioxide 三氧化二砷	215-481-4	1327-53-3	致癌性 (Article 57a)	除草剂，杀虫剂	1000	2008/10/28	2008/10/28
8		Diarsenic pentaoxide 五氧化二砷	215-116-9	1303-28-2	致癌性 (Article 57a)	杀菌剂，除草剂	1000	2008/10/28	2008/10/28
7		Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane 六溴环十二烷(混合异构体)	247-148-4; 221-695-9	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	高持久性、生物累积性物质 (Article 57e)	阻燃剂	1000	2008/10/28	2008/10/28
6		Sodium dichromate 重铬酸钠无水物，重铬酸钠二水合物	234-190-3	10588-01-9 7789-12-0	生殖毒性 (Article 57c) 致癌性 (Article 57a) 致畸性 (Article 57b)	金属表面精整，皮革制鞋，纺织品染色，木材防腐剂	1000	2008/10/28	2008/10/28
5		Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) 短链氯化石蜡 (C = 10 ~ 13)；	287-476-5	85535-84-8	持久性、生物累积性、毒性物质 (Article 57d) 高持久性、生物累积性物质 (Article 57e)	金属加工过程中的润滑油，橡胶和皮革染料，胶水	1000	2008/10/28	2008/10/28
4		Lead hydrogen arsenate 酸式砷酸	232-064-2	7784-40-9	生殖毒性 (Article 57c) 致癌性 (Article 57a)	杀虫剂	1000	2008/10/28	2008/10/28
3		Anthracene 蒽；多环芳烃；绿油蒽	204-371-1	120-12-7	持久性、生物累积性、毒性物质 (Article 57d)	染料中间体	1000	2008/10/28	2008/10/28
2		Benzyl butyl phthalate (BBP) 邻苯二甲酸丁基苯基酯；	201-622-7	85-68-7	生殖毒性 (Article 57c) 内分泌干扰性 (Article 57(f)-人类健康)	乙烯泡沫，耐火砖和合成皮革的增塑剂	1000	2008/10/28	2008/10/28
1	Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯；	201-557-4	84-74-2	生殖毒性 (Article 57c) 内分泌干扰性 (Article 57(f)-人类健康)	增塑剂，粘合剂和印刷油墨的添加剂	1000	2008/10/28	2008/10/28	

备注：
1. SVHC清单参考标准若有变更或新增，【XAC 有毒有害物质含量标准】将随之变更。
2. REACH SVHC部份供货商需对此做宣告即可。

REACH ANNEX XVII - Restriction List
REACH法规附件XVII 限制物质清单

Last updated 17 October 2025. Database contains 78 unique substances/entries.

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
1	Polychlorinated terphenyls (PCTs) 多氯三联苯 (PCTs) Terphenyl, chlorinated 氯化三联苯	-	-	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	200-831-0	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. 不可用于任何用途的气雾喷射剂。 含有该物质作为喷射剂的喷雾器不可投放市场。
3	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 (See group members): 根据指令1999/45/EC被视为危险的液体物质或混合物, 或符合第1272/2008号法规 (EC) 附件一中规定的以下任何危险类别或类别的标准 (见组成员): Hazard class 4.1: 危险等级4.1 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: 危害等级3.1至3.6, 3.7对性功能和生育能力或发育的不利影响, 3.8除麻醉作用外的影响, 3.9和3.10 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 危险等级2.1至2.4, 2.6和2.7, 2.8 A类和B类、2.9、2.10、2.12、2.13类1和2、2.14类1和2中、2.15类A至F Hazard class 5.1. 危险等级5.1.	-	-	1. Shall not be used in: — 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, 2. Articles not complying with paragraph 1 shall not be placed on the market. 3. Shall not be used in: — 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, Articles not complying with paragraph 1 shall not be placed on the market. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they: — 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, 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). 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: (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 sip of lamp oil - or even sucking the wick of lamps - may lead to lifethreatening lung damage"; (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"; (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. 1. 不得在以下场合使用: — 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: — 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 (EN 14059) 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: (a) 用于出售给一般公众的被标记为H304的油灯, 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触及处"; 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"; (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者: "只要喝一口打火机油可能导致威胁生命的肺损害"; (c) 用于出售给一般公众的被标记为H304的油灯或打火机液体, 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。
4	Tris (2,3 dibromopropyl) phosphate 三 (2, 3-二溴丙基) 磷酸盐	204-799-9	126-72-7	1. Shall not be used in textile articles, such as garments, undergarments and linen, intended to come into contact with the skin. 2. Articles not complying with paragraph 1 shall not be placed on the market. 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。 2. 不符合第1条中规定的物品不得投放市场。
5	Benzene 苯	200-753-7	71-43-2	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. 2. Toys and parts of toys not complying with paragraph 1 shall not be placed on the market. 3. Shall not be placed on the market, or used, — as a substance, — as a constituent of other substances, or in mixtures, in concentrations equal to, or greater than 0.1 % by weight. 4. However, paragraph 3 shall not apply to: (a) motor fuels which are covered by Directive 98/70/EC; (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; (c) natural gas placed on the market for use by consumers, provided that the concentration of benzene remains below 0.1 % volume/volume. 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: — 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: (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, 苯排放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)

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
6	Asbestos fibres 石棉纤维	-	-	<p>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 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. 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。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。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。此外,为了保护工人的健康和安,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。成员国可以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条所提及及在2005年1月前已安装和/或正在使用的含石棉纤维的制品的继续投放市场。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>
	Actinolite 阳起石	-	77536-66-4	
	Tremolite 透闪石	-	77536-68-6	
	Anthophyllite 直闪石	-	77536-67-5	
	Chrysotile asbestos 温石棉	-	132207-32-0	
	Asbestos, chrysotile 石棉、温石棉	601-650-3	12001-29-5	
	Crocidolite 青石棉	-	12001-28-4	
	Amosite 铁石棉	-	12172-73-5	
7	Tris(aziridinyl)phosphin oxide 三唑啉基氧化磷	208-892-5	545-55-1	<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>
8	Polybromobiphenyls, Polybrominatedbiphenyls (PBB) 多溴联苯,多溴化联苯(PBB)	-	-	<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>
	Polybromobiphenyls, Polybrominatedbiphenyls (PBB) 多溴联苯,多溴化联苯(PBB)	-	59536-65-1	
	Polybrominated biphenyls (PBB) except hexabromo-biphenyl 除六溴代二苯外的多溴联苯	-	-	
	4-bromobiphenyl 4-溴联苯	202-176-6	92-66-0	
	4,4'-dibromobiphenyl 4,4'-二溴联苯	202-198-6	92-86-4	
	Hexabromo-1,1'-biphenyl 六溴-1,1'-联苯	252-994-2	36355-01-8	
	Decabromo-1,1'-biphenyl 十溴-1,1'-联苯	237-137-2	13654-09-6	
	Nonabromo-1,1'-biphenyl 壬溴-1,1'-联苯	248-637-5	27753-52-2	
9	Tetrabromo(tetrabromophenyl)benzene 四溴(四溴苯基)苯	248-696-7	27858-07-7	<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>
	Entry 9 条目9	-	-	
	o-Nitrobenzaldehyde 邻硝基苯甲醛	209-025-3	552-89-6	
	Soap bark powder (Quillaja saponaria) and its derivatives containing saponines 肥皂树粉(皂树)和含有皂草苷的衍生物	68990-67-0	273-620-4	
	Wood powder 木粉	-	-	
12	Powder of the roots of Helleborus viridis and Helleborus niger Hellebores viridis 和 Hellebores niger 根茎粉	-	-	<p>Shall not be placed on the market, or used, as substances or in mixtures in concentrations greater than 0,1 % by weight.</p> <p>不得以物质或混合物的形式投放市场或使用大于0.1% (按重量计)。</p>
	Powder of the roots of Veratrum album and Veratrum nigrum 藜芦和黑藜芦根粉	-	-	
	2-naphthylamine and its salts 2-萘胺及其盐类	-	-	
	Salts of 2-naphthylamine 2-萘胺盐	-	-	
	2-naphthylammonium chloride 2-萘基氯化铵	210-313-6	612-52-2	
13	2-naphthylammonium acetate 2-萘基乙酸铵	209-030-0	553-00-4	<p>Shall not be placed on the market, or used, as substances or in mixtures in concentrations greater than 0,1 % by weight.</p> <p>不得以物质或混合物的形式投放市场或使用大于0.1% (按重量计)。</p>
	2-naphthylamine 2-萘胺	202-080-4	91-59-8	
	Benzidine and its salts 胺基联苯及其盐类	-	-	
13	Benzidine 联苯胺	202-199-1	92-87-5	<p>Shall not be placed on the market, or used, as substances or in mixtures in concentrations greater than 0,1 % by weight.</p> <p>不得以物质或混合物的形式投放市场或使用大于0.1% (按重量计)。</p>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Salts of benzydine 联苯胺盐			不得以物质或混合物的形式投放市场或使用大于0.1% (按重量计)。
14	4-Nitrobiphenyl 4-硝基联苯	202-204-7	92-93-3	Shall not be placed on the market, or used, as substances or in mixtures in concentrations greater than 0.1 % by weight. 不得以物质或混合物的形式投放市场或使用大于0.1% (按重量计)。
15	4-Aminobiphenyl xenylamine and its salts 4-氨基联苯胺及其盐类	-	-	Shall not be placed on the market, or used, as substances or in mixtures in concentrations greater than 0.1 % by weight. 不得以物质或混合物的形式投放市场或使用大于0.1% (按重量计)。
	4-Aminobiphenyl xenylamine 4-氨基联苯胺	202-177-1	92-67-1	
16	Lead carbonates 碳酸铅	-	-	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. 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。
	Neutral anhydrous carbonate (PbCO3) 中性无水碳酸盐 (PbCO3)	209-943-4	598-63-0	
	Trilead-bis(carbonate)-dihydroxide 2PbCO3-Pb(OH)2 三铅双(碳酸盐)-二氢氧化物2PbCO3 Pb(OH)2	215-290-6	1319-46-6	
17	Lead sulphates 硫酸铅	-	-	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. 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。
	Lead sulphate PbSO4 硫酸铅PbSO4	231-198-9	7446-14-2	
	Sulphuric acid, lead salt PbX SO4 硫酸铅盐PbX SO4	239-831-0	15739-80-7	
18	Mercury compounds 汞化合物	-	-	Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use: (a) to prevent the fouling by micro-organisms, plants or animals of: — 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; (b) in the preservation of wood; (c) in the impregnation of heavy-duty industrial textiles and yarn intended for their manufacture; (d) in the treatment of industrial waters, irrespective of their use. 不得作为物质或混合物投放市场或使用, 其中物质或混合物拟用于: (a) 防止微生物、植物或动物污染: — 船体, — 笼子、浮子、网和其他用于鱼类或贝类的器具或设备农事, — 任何完全或部分浸没的器具或设备; (b) 木材保护; (c) 用于浸渍重型工业纺织品和纱线制造; (d) 在工业用水的处理中, 无论其用途如何。
				1. Shall not be placed on the market: (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: (a) measuring devices more than 50 years old on 3 October 2007; (b) barometers (except barometers within point (a)) until 3 October 2009. (4. Regulation (EU) No 847/2012: paragraph 4 is deleted). 5. The following mercury-containing measuring devices intended for industrial and professional uses shall not be placed on the market after 10 April 2014: (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.

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
18a	Mercury 汞	231-106-7	7439-97-6	<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> <p>6. The restriction in paragraph 5 shall not apply to:</p> <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) measuring devices which are to be displayed in public exhibitions for cultural and historical purposes.</p> <p>(d) 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>(4. 第847/2012号 (欧盟) 条例, 删除第4段)</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> <p>(a) 气压计;</p> <p>(b) 湿度计;</p> <p>(c) 压力计;</p> <p>(d) 血压计;</p> <p>(e) 体积描记器用应变仪;</p> <p>(f) 张力计;</p> <p>(g) 温度计和其他非电子温度测量设备。</p> <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> <p>(a) 用于以下用途的血压计:</p> <p>(i) 持续至2012年10月10日的病理学研究;</p> <p>(ii) 作为无汞血压计的临床试验验证研究的参考标准;</p> <p>(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;</p> <p>(c) 用于校准铂电阻温度计的汞三相点电池。</p> <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> <p>(a) 汞比重瓶;</p> <p>(b) 用于测定软化点的计量装置。</p> <p>8. 第5条不适用于:</p> <p>(a) 截至2007年10月3日, 已超过50年的测量仪器;</p> <p>(b) 以历史和历史目的的公众展览中展示的测量仪器。</p>
	Arsenic compounds 砷化合物	-	-	
	Dysprosium arsenide 砷化镨	234-473-1	12005-81-1	
	Diiron arsenide 砷化二铁	234-474-7	12005-88-8	
	Gadolinium arsenide 砷化钆	234-475-2	12005-89-9	
	Holmium arsenide 砷化铥	234-476-8	12005-92-4	
	Lutetium arsenide 砷化镥	234-477-3	12005-94-6	
	Manganese arsenide 砷化锰	234-478-9	12005-95-7	
	Terbium arsenide 砷化铽	234-479-4	12006-08-5	
	Thallium arsenide 砷化铊	234-481-5	12006-09-6	
	Thulium arsenide 砷化铥	234-482-0	12006-10-9	
	Ytterbium arsenide 砷化铈	234-483-6	12006-12-1	
	Tricadmium diarsenide 二硫化三镉	234-484-1	12006-15-4	
	Iron diarsenide 二硫化铁	234-485-7	12006-21-2	
	Trizinc diarsenide 二芳基三锌	234-486-2	12006-40-5	
	Iron arsenide 砷化铁	234-947-8	12044-16-5	
	Digallium arsenide phosphide 磷化砷二镓	234-948-3	12044-20-1	
	Tripotassium arsenide 砷化三钾	234-949-9	12044-21-2	
	Trilithium arsenide 砷化三锂	234-950-4	12044-22-3	
	Trisodium arsenide 砷化三钠	234-952-5	12044-25-6	
	Praseodymium arsenide 砷化镨	234-953-0	12044-28-9	
	Trimagnesium diarsenide 二硫化三镁	234-954-6	12044-49-4	
	Diarsenic tritelluride 三碲化二砷	234-955-1	12044-54-1	
	Zinc diarsenide 二芳基二砷	234-956-7	12044-55-2	
	Roxarsone 洛克沙砷	204-453-7	121-19-7	
	Sodium hydrogen 4-aminophenylarsenate 4-氨基苯砷酸氢钠	204-869-9	127-85-5	
	6,6'-dihydroxy-3,3'-diarsene-1,2-diyl-dianilinium dichloride 6,6'-二羟基-3,3'-二芳基-1,2-二砷二氯化铵	205-386-6	139-93-5	
	Oxophenarsine 氧苯砷	206-178-8	306-12-7	
	Dimethylarsinic acid 二甲基砷酸	200-883-4	75-60-5	
	Phenylarsinic acid 苯砷酸	202-631-9	98-05-5	
	4-hydroxyphenylarsinic acid 4-羟基苯砷酸	202-641-3	98-14-6	
	Arsanilic acid 阿散酸	202-674-3	98-50-0	
	Nitarsonone 尼塔森	202-695-8	98-72-6	
	Diarsenic trioxide 三氧化二砷	215-481-4	1327-53-3	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Methyltriphenylarsonium iodide 甲基碘化三苯砷	216-108-8	1499-33-8	
	2,7-bis(2-arsonophenylazo)-1,8-dihydroxynaphthalene-3,6-disulphonic acid 2,7-(双(2-砷基苯偶氮)-1,8-二羟基萘-3,6-二磺酸	216-788-6	1668-00-4	
	Tritylum hexafluoroarsenate 六氟砷酸三甲铵	207-111-5	437-15-0	
	Neoarsphenamine 新砷胺	207-273-7	457-60-3	
	Oxophenarsine hydrochloride 盐酸羟苯砷	208-682-3	538-03-4	
	Tris[(8 α ,9R)-6'-methoxycinchonan-9-ol] bis(arsenate) 三[(8 α ,9R)-6'-甲氧基辛可宁-9-ol]双(砷酸盐)	208-971-4	549-59-7	
	Triphenylarsine 三苯基砷	210-032-9	603-32-7	
	Sulfarsphenamine 硫砷凡纳明	210-564-1	618-82-6	
	Phenylarsine oxide 苯砷氧化物	211-275-3	637-03-6	
	Gallium arsenide 砷化镓	215-114-8	1303-00-0	
	Indium arsenide 砷化铟	215-115-3	1303-11-3	
	Diarsenic pentaoxide 五氧化二砷	215-116-9	1303-28-2	
	arsenic sulfide 硫化砷	215-117-4	1303-33-9	
	Diarsenic triselenide 三碲二砷	215-119-5	1303-36-2	
	2-aminophenylarsonic acid 2-氨基苯砷酸	218-064-5	2045-00-3	
	2-nitrophenylarsonic acid 2-硝基苯砷酸	226-485-0	5410-29-7	
	Triethyl arsenite 亚砷酸三乙酯	221-543-1	3141/12/6	
	Disodium 3-[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate 3-[(邻砷基) 偶氮]-4,5-二羟基萘-2,7-二磺酸二钠	222-600-3	3547-38-4	
	Trilead diarsenate 砷酸铅	222-979-5	3687-31-8	
	Disodium 4-[(o-arsonophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonate 4-[(邻砷基) 偶氮]-3-羟基萘-2,7-二磺酸二钠	222-993-1	3688-92-4	
	Diphenyldiarsenic acid 二苯二甲砷	224-845-1	4519-32-8	
	Nickel diarsenide 二芳砷镍	235-103-1	12068-61-0	
	Dichromium arsenide 砷化二铬	235-499-6	12254-85-2	
	Erbium arsenide 砷化铒	235-501-5	12254-88-5	
	Lanthanum arsenide 砷化镧	235-502-0	12255-04-8	
	Niobium arsenide 砷化铌	235-503-6	12255-08-2	
	Neodymium arsenide 砷化钕	235-504-1	12255-09-3	
	Triantimony arsenide 砷化三锑	235-505-7	12255-36-6	
	Samarium arsenide 砷化钐	235-506-2	12255-39-9	
	Yttrium arsenide 砷化钇	235-507-8	12255-48-0	
	Tribarium diarsenide 二芳基三钡	235-508-3	12255-50-4	
	Tricalcium diarsenide 二芳砷三钙	235-509-9	12255-53-7	
	Germanium arsenide 砷化锗	235-547-6	12271-72-6	
	Trisilver arsenide 砷化三银	235-652-7	12417-99-1	
	arsenic sulfide 硫化砷	235-720-6	12612-21-4	
	Arsenic acid, sodium salt 砷酸钠盐	231-547-5	7631-89-2	
	Arsenic acid 砷酸	231-901-9	7778-39-4	
	Disodium hydrogenarsenate 砷酸氢二钠	231-902-4	7778-43-0	
	Calcium arsenate 砷酸钙	231-904-5	7778-44-1	
	Trisilver arsenite 亚砷酸三银	232-048-5	7784-08-9	
	Arsenic tribromide 三溴化砷	232-057-4	7784-33-0	
	Arsenic trichloride 三氯化砷	232-059-5	7784-34-1	
	Trifluoroarsine 三氟砷	232-060-0	7784-35-2	
	Pentafluoroarsorane 五氟砷	232-061-6	7784-36-3	
	Mercury hydrogenarsenate 砷酸汞盐	232-062-1	7784-37-4	
	Manganese hydrogenarsenate 砷酸氢锰	232-063-7	7784-38-5	
	Lead hydrogen arsenate 砷酸氢铅	232-064-2	7784-40-9	
	Potassium dihydrogenarsenate 二氢砷酸钾	232-065-8	7784-41-0	
	Arsine 砷化氢	232-066-3	7784-42-1	
	Diammonium hydrogenarsenate 砷酸氢二铵	232-067-9	7784-44-3	
	Arsenic triiodide 三碘化砷	232-068-4	7784-45-4	
	Sodium dioxoarsenate 二氧砷酸钠	232-070-5	7784-46-5	
	Pentahydroxyarsorane 五羟砷	232-096-7	7786-36-9	
	Flue dust, arsenic-contg. 含砷烟尘	232-434-3	8028-73-7	
	Lead arsenite 亚砷酸铅	233-083-9	10031-13-7	
	Iron arsenate 砷酸铁	233-274-7	10102-49-5	
	Iron bis(arsenate) 双砷酸铁	233-275-2	10102-50-8	
	Arsenic acid, magnesium salt 砷酸镁盐	233-285-7	10103-50-1	
	Arsenic acid, copper salt 砷酸铜盐	233-286-2	10103-61-4	
	Arsenic acid, calcium salt 砷酸钙盐	233-287-8	10103-62-5	
	Potassium arsonate 砷酸钾	233-337-9	10124-50-2	
	Strychnine arsenate 砷酸士的宁	233-970-0	10476-82-1	
	Tricopper arsenide 砷化三铜	234-472-6	12005-75-3	
	potassium dimethylarsinate 二甲基砷酸钾	881-273-0	21416-85-3	
	thallium arsenic selenide 砷化砷碲	-	16142-89-5	
	Flue dust, lead-refining 烟尘、铅精炼	273-809-1	69029-67-0	
	Disilver arsenide 砷化二银	274-573-2	70333-07-2	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Ammonium dihydrogenarsenate 砷酸二氢铵	236-667-1	13462-93-6	
	Potassium arsenite 亚砷酸钾	236-680-2	13464-35-2	
	Trisodium arsenite 亚砷酸钠	236-681-8	13464-37-4	
	Trisodium arsenate 砷酸钠	236-682-3	13464-38-5	
	Zinc arsenate 砷酸锌	236-683-9	13464-44-3	
	Tristrontium diarsenate 砷酸三锶	236-684-4	13464-68-1	
	Copper diarsenite 二芳酸铜	240-574-1	16509-22-1	
	Potassium hexafluoroarsenate 六氟砷酸钾	241-102-7	17029-22-0	
	Hydrogen hexafluoroarsenate 六氟砷酸氢	241-128-9	17068-85-8	
	Tribarium diarsenate 砷酸三铍	236-762-8	13477-04-8	
	Trinickel bis(arsenate) 二砷酸三镍	236-771-7	13477-70-8	
	Trilithium arsenate 砷酸三锂	236-773-8	13478-14-3	
	Trisilver arsenate 砷酸三银	236-841-7	13510-44-6	
	Sodium metaarsenate 偏砷酸钠	239-171-3	15120-17-9	
	Tristrontium diarsenide 二芳酸三锶	254-407-5	39297-24-0	
	N-(p-arsenosophenyl)-1,3,5-triazine-2,4,6-triamine N-(对砷基苯基)-1,3,5-三嗪-2,4,6-三胺	244-612-8	21840-08-4	
	Aluminium arsenide 砷化铝	245-255-0	22831-42-1	
	Triammonium arsenate 砷酸三铵	246-428-3	24719-13-9	
	Tricobalt diarsenate 砷酸三钴	246-429-9	24719-19-5	
	Cobalt arsenide 砷化钴	248-168-6	27016-73-5	
	Nickel arsenide 砷化镍	248-169-1	27016-75-7	
	Tricalcium diarsenite 二砷酸三钙	248-266-9	27152-57-4	
	3-methyl-4-(pyrrolidin-1-yl)benzenediazonium hexafluoroarsenate 3-甲基-4-(吡咯烷-1-基)苯重氮鎓六氟砷酸盐	248-532-4	27569-09-1	
	Antimony arsenate 砷酸锑	249-347-1	28980-47-4	
	Arsenic acid, copper (2+) salt 砷酸铜 (2+) 盐	249-916-4	29871-13-4	
	Lithium hexafluoroarsenate 六氟砷酸锂	249-963-0	29935-35-1	
	Ammonium copper arsenate 砷酸铜铵	251-151-6	32680-29-8	
	Europium arsenide 砷化铕	251-206-4	32775-46-5	
	Calcium arsenite 亚砷酸钙	258-147-3	52740-16-6	
	Triphenylsulfonium hexafluoroarsenate (1-) 六氟砷酸三苯鎓 (1-)	261-009-5	57900-42-2	
	Zirconium arsenide 砷化锆	262-524-8	60909-47-9	
	Trimanganese arsenide 砷化三锰	262-667-6	61219-26-9	
	Disodium 3,6-bis[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate 3,6-双[(邻砷苯基)偶氮]-4,5-二羟基萘-2,7-二磺酸二钠	263-516-7	62337-00-2	
	Diphenyliodonium hexafluoroarsenate 六氟砷酸二苯碘鎓	263-638-0	62613-15-4	
	4-(ethylamino)-2-methylbenzenediazonium hexafluoroarsenate 4-(乙氨基)-2-甲基苯重氮鎓六氟砷酸盐	264-026-6	63217-32-3	
	4-(diethylamino)-2-ethoxybenzenediazonium hexafluoroarsenate 4-(二乙氨基)-2-乙氧基苯重氮鎓六氟砷酸盐	264-027-1	63217-33-4	
	Antimony arsenic oxide 砷化锑氧化物	264-904-9	64475-90-7	
	Arsenic bromide 溴化砷	265-296-8	64973-06-4	
	Cobalt arsenide 砷化钴	265-784-0	65453-05-6	
	Tris(pentane-2,4-dionato-0,0')silicon hexafluoroarsenate 六氟砷酸三(戊-2,4-二酮-0,0')硅	266-621-6	67251-38-1	
	Slimes and Sludges, copper refining “阳极泥”-铜精炼阳极泥 / 铜精炼浮渣与污泥	266-977-2	67712-00-9	
	Silicic acid (H ₂ SiO ₄), zinc salt (1:2), arsenic and manganese-doped 硅酸 (H ₂ SiO ₄)、锌盐 (1:2)、砷和锰掺杂	271-895-5	68611-46-1	
	Bis(pentane-2,4-dionato-0,0')boron(1+) hexafluoroarsenate (1-) 双(戊-2,4-二酮-0,0')硼 (1+) 六氟砷酸盐 (1-)	272-591-5	68892-01-3	
	Antimony oxide (Sb ₂ O ₃), mixed with arsenic oxide (As ₂ O ₃) 氧化锑 (Sb ₂ O ₃)，与氧化砷 (As ₂ O ₃) 混合	273-156-2	68951-38-2	
	Lead alloy, base, dross 铅合金、基体、浮渣	273-700-9	69011-59-2	
	Lead, antimonial, dross 铅、锑、浮渣	273-795-7	69029-51-2	
	Thallium triarsenide 三砷化铊	281-902-3	84057-85-2	
	2,6-dimethyl-4-(1-naphthyl)pyrylium hexafluoroarsenate 2,6-二甲基-4-(1-萘基)吡喃六氟砷酸盐	282-682-1	84282-36-0	
	2,6-dimethyl-4-phenylpyrylium hexafluoroarsenate 2,6-二甲基-4-苯基吡喃六氟砷酸盐	282-700-8	84304-15-4	
	4-cyclohexyl-2,6-dimethylpyrylium hexafluoroarsenate 4-环己基-2,6-二甲基吡喃六氟砷酸盐	282-701-3	84304-16-5	
	Tris[(8 α)-6'-methoxycinchonan-9(R)-ol] arsenite 三[(8 α)-6'-甲氧基辛可宁-9(R)-ol]亚砷酸盐	303-002-2	94138-87-1	
	Gallium zinc triarsenide 三砷化镓锌	308-577-3	98106-56-0	
	Strychnidin-10-one, arsenite (1:1) 士的宁-10-一, 亚砷酸盐 (1:1)	09-388-9	100258-44-4	
	Slimes and Sludges, copper electrolytic refining, decopperized, arsenic-rich 煤泥和污泥、铜电解精炼、脱铜、富砷	309-772-6	100995-81-1	
	Arsenic acid (H ₃ AsO ₄), magnesium salt, manganese-doped 砷酸 (H ₃ AsO ₄) 镁盐	310-019-9	102110-21-4	
	Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg. 煤泥和污泥、铜铅矿焙烧废气洗涤、含砷	310-063-9	102110-62-3	
	Vanadium(4+) diarsenate (1:1) 钒 (4+) 二元 (1:1)	308-917-0	99035-51-5	

- 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:
 - 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.
- 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.
- Shall not be used in the preservation of wood. Furthermore, wood so treated shall not be placed on the market.
 - By way of derogation from paragraph 3:
 - 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.
 - 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:
 - 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,
 - in highway safety fencing and barriers,
 - as debarked round conifer livestock fence posts.

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
19	3-[(dimethylcarbamothioyl)thio]-N,N,6-trimethyl-1,5-bis(thioxo)-2,4-dithia-6-aza-3-arsaheptan-1-amine; asomate 3-[(二甲氨基氨基) 硫代]-N, N, 6-三甲基-1,5-双(硫代)-2,4-二硫代-6-氮杂-3-甲庚烷-1-胺; 福美甲	803-606-0	3586-60-5	- in earth retaining structures, - as electric power transmission and telecommunications poles, - as underground railway sleepers.
	Arsenic acid, [4-[[4-(dimethylamino)phenyl]azo]phenyl]-, monohydrochloride 砷酸[4-[[4-(二甲氨基)苯基]偶氮]苯基]-单盐酸盐	620-678-7	73688-85-4	(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 plated 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 undertaking'.
	Tetraphenylarsonium Chloride Hydrochloride Hydrate 氯化四苯砷酸盐水合物	621-302-4	123334-18-9	(d) Treated wood referred to under point (a) shall not be used: - may be used or reused subject to the conditions pertaining to its use listed under points 4(b), (c) and (d), - 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.
	Arsenic(II) sulfide 硫化砷(II)	627-949-9	12044-79-0	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.
	ARSENIC(V) OXIDE HYDRATE 水合氧化砷	629-626-8	12044-50-7	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: - 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).
	Arsenic acid (H3AsO4), monoesmium salt 砷酸(H3AsO4), 单铈盐	677-899-7	16331-85-4	7. Member States may allow wood treated with other types of CCA solutions that was in use in the Community before 30 September 2007: - to be placed on the market subject to the conditions pertaining to its use listed under points 4(b), (c) and (d), - to be used or reused subject to the conditions pertaining to its use listed under points 4(b), (c) and (d)
	Sodium arsenate dibasic heptahydrate 七水合砷酸二钠	677-900-0	10048-95-0	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: - 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; - 任何部分或全部浸没在水中的器具或设备。
	Sodium hexafluoroarsenate(V) 六氟砷酸钠(V)	624-772-9	12005-86-6	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。
	Silver hexafluoroarsenate 六氟砷酸银	624-776-0	12005-82-2	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。
	Sodium cacodylate trihydrate 二甲砷酸钠	682-793-9	6131-99-3	4. 对于第 3 条, 以下内容不适用: (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, 且条件是浸泡液是铜, 铬, 砷(简记为CCA)的 C 型无机化合物溶液且根据 98/18/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。 (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员和牲畜的安全所需, 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; - 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; - 作为圆形去树及针叶树牲畜栏柱; - 土壤屏障的构造物; - 作为电力传输和电讯电线杆; - 作为地下铁道枕木。
	2,4,6,8,9,10-Hexaoxa-1,3,5,7-tetraarsatricyclo[3.3.1.1.3,7]decane 2,4,6,8,9,10-六氧杂-1,3,5,7-四砷基环[3.3.1.1.3,7]癸烷	-	12505-67-8	(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。 (d) 上述 (a) 中提到的经处理的木材不可用于以下用途: - 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; - 用于船舶运输中的水; - 除 (i) 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。
	tris(trimethylsilyl)arsine 三(三甲基甲硅烷基)砷	821-113-9	17729-30-5	5. 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; - 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。
	Arsenic acid (H3AsO4), copper(2+) salt (2:3), tetrahydrate 砷酸(H3AsO4), 铜(2+)盐(2:3), 四水合物	-	13478-34-7	6. 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。
	Arsenic acid 亚砷酸	-	10102-53-1	7. 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: - 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。
	Arsenic acid (H3AsO4), monosodium salt 砷酸(H3AsO4) 单钠盐	-	10103-60-3	
	Diarsenic acid, sodium salt 二芳基砷酸钠	-	13464-42-1	
	Arsenic acid (H3AsO4), zinc salt (1:1) 砷酸(H3AsO4) 锌盐(1:1)	-	13464-33-0	
	Arsenous acid, zinc salt 亚砷酸锌盐	-	10326-24-6	
	Methyl 17 α -hydroxyohimban-16 α -carboxylate, methylarsonate (1:1) 17 α -羟基苜蓿芽甾-16 α -羧基甲酯, 甲砷酸酯(1:1)	279-628-4	80925-03-7	
	Disodium 3,6-bis[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate 3,6-双[[2-[(二羟基砷基)氧基]苯基]偶氮]-4,5-二羟基萘-2,7-二磺酸二钠	282-453-6	84215-47-4	
	Disodium 3-[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate 3-[[2-[(二羟基砷基)氧基]苯基]偶氮]-4,5-二羟基萘-2,7-二磺酸二钠	282-454-1	84215-48-5	
	(diphenylarsino)dimethylgallium 二苯砷基二甲基铊	302-587-1	94113-53-8	
	(4-aminophenyl)arsenic acid, compound with piperazine (1:1) 4-氨基苯基)砷酸与哌嗪(1:1)的化合物	303-952-8	94232-26-5	
	Leucovcin V, 9-0-[5-(dimethylamino)tetrahydro-6-methyl-2H-pyran-2-yl]-, [9(5S,6R)-], [1,2-ethanediylbis(imino-4,1-phenylene)]bis[arsenate] (1:1) (salt) 白霉素 V, 9-0-[5-(二甲氨基)四氢-6-甲基-2H-吡喃-2-基]-, [9(5S,6R)-], [1,2-乙二双(亚氨基-4,1-亚苯基)]双[砷酸](1:1)盐	299-051-1	93841-79-3	
	Sodium hydrogen allylarsonate 烯丙基砷酸氢钠	304-710-4	94278-22-5	
	Disodium p-tolylarsonate 对甲苯偶氮二钠	304-956-2	94313-58-3	
	Copper acetoarsenite 乙酞亚砷酸铜	601-658-7	12002-03-8	
	Arsine, dichloromethyl- 二氯甲基砷	695-189-5	593-89-5	
	Calcium arsenate (CaHAsO4) (6Cl, 7Cl) 砷酸氢钙 (CaHAsO4)	672-782-7	15195-00-3	
	Aluminium gallium arsenide 砷化铝铊	680-872-2	37382-15-3	
	Arsenous acid, gallium salt (1:1) 亚砷酸镓盐(1:1)	-	24343-41-7	
	Manganese arsenate 砷酸锰	-	27526-45-0	
	Arsenic acid (H3AsO4), cobalt(2+) salt 砷酸钴(II)	-	29871-10-1	
	arsenic acid (H3AsO4), calcium salt (2:3), dihydrate 二水合砷酸钙 (Ca(AsO4)2 · 2H2O)	-	30621-31-9	
	Arsenous acid, tricopper(I+) salt 亚砷酸三铜(I+)盐	-	33382-64-8	
	Arsenic acid, methyl-, iron salt (9Cl) 甲基砷酸铁盐(9Cl)	-	33972-75-7	
	Arsenous acid, nickel(2+) salt 亚砷酸镍(2+)盐	-	33992-49-3	
	Iron arsenide 砷化铁	-	39310-41-3	
	Arsenic chloride (AsCl2) 氯化砷(AsCl2)	-	41996-37-6	
	Arsenic chloride 氯化砷	-	37226-49-6	
	Arsenous acid, lead(2+) salt (1:1) 亚砷酸铅(2+)盐(1:1)	-	10082-74-0	
	4-Aminophenylarsenoxide 4-氨基苯基氧化砷	-	1122-90-3	
Magnesium arsenate, decahydrate 十水砷酸镁	-	117746-50-6		
Manganese arsenide (Mn2As) 砷化锰(Mn2As)	-	12005-96-8		
Tin arsenide (SnAs) 砷化锡(SnAs)	-	12044-32-5		
Cobalt arsenide (CoAs2) 砷化钴(CoAs2)	-	12044-42-7		
Platinum arsenide (PtAs2) 砷化铂(PtAs2)	-	12044-52-9		
Cobalt arsenide (CoAs3) 砷化钴(CoAs3)	-	12256-04-1		
3-amino-4-hydroxyphenylarsonic acid 3-氨基-4-羟基苯砷酸	218-494-3	2163-77-1		
Sodium methylarsonate 甲砷酸钠	218-495-9	2163-80-6		
4-(2-chloroacetamido)phenylarsonic acid 4-(2-氯乙酰胺基)苯砷酸	226-569-7	5425-62-7		
4-chlorophenylarsonic acid 4-氯苯砷酸	226-622-4	5440-04-0		
Calcium bis(dimethylarsinate) 双(二甲基砷酸钙)	227-311-6	5785-43-3		
[4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonic acid [4-[(4,6-二氨基-1,3,5-三嗪-2-基)氨基]苯基]砷酸	227-365-0	5806-89-3		
Sodium hydrogen (3-acetamido-4-hydroxyphenyl)arsonate 氢(3-乙酰氨基-4-羟基苯基)砷酸钠	227-573-1	5892-48-8		
Calcium bis(methylarsonate) 双甲砷酸钙	227-598-8	5902-95-4		

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Iron tris(dimethylarsinate) 三(二甲基砷酸铁)	227-759-2	5968-84-3	
	Diiodo(phenyl)arsine 二碘(苯基)砷	228-965-5	6380-34-3	
	Sodium p-arsenobenzenesulphonate 对氨基苯磺酸钠	229-632-7	6634-88-4	
	4-(4-aminophenylazo)phenylarsonic acid 4-(4-氨基苯偶氮)苯砷酸	230-176-6	6966-64-9	
	10-chloro-10H-phenoxarsine 10-氯-10H-吩恶砷	220-684-6	2865-70-5	
	Tri-p-tolylarsine 三对甲苯砷	220-776-6	2896-10-8	
	Disodium [4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonate [4-[(4,6-二氨基-1,3,5-三嗪-2-基)氨基]苯基]砷酸二钠	222-749-4	3599-28-8	
	Difetarson 地伐麟素	222-866-0	3639-19-8	
	2-[[7-[(2-arsonophenyl)azo]-1,8-dihydroxy-3,6-disulpho-2-naphthyl]azo]benzoic acid 2-[7-[(2-砷基苯基)偶氮]-1,8-二羟基-3,6-二磺基-2-萘基]偶氮]苯甲酸	223-216-9	3772-44-9	
	p-tolylarsonic acid 对甲苯基砷酸	223-588-2	3969-54-8	
	Ethylenebis(diphenylarsine) 乙烯双(二苯砷)	224-629-7	4431-24-7	
	10-[(dimethylthiocarbonyl)thio]-5,10-dihydrophenarsazine 10-[(二甲基硫代氨基甲酸)硫基]-5,10-二氢吩砷嗪	225-368-1	4808-24-6	
	Sodium 4-(glycolloylamino)phenylarsonate 4-(乙醇酰胺基)苯基砷酸钠	231-680-9	7681-83-6	
	Copper arsonate 砷酸铜	233-644-8	10290-12-7	
	Strychnine dimethylarsinate 二甲砷酸士的宁	233-973-7	10476-87-6	
	Arsenic chloride (AsCl ₃) 氯化砷(AsCl ₃)	-	17522-78-0	
	(2-Chloroethenyl)arsonous dichloride (2-氯乙烯基)砷化二氯	-	541-25-3	
	Sodium oxidoarsonous acid 氧代砷酸钠	-	60189-99-3	
	Arsenous acid, titanium salt 亚砷酸钛盐	-	92278-94-9	
	Arsenic acid, tin salt 砷酸锡盐	-	93080-00-3	
	Arsenous acid, ammonium copper salt 亚砷酸铵铜盐	-	94854-78-1	
	Arsenous acid, ammonium zinc salt 亚砷酸铵锌盐	-	94854-80-5	
	Arsenic acid (H ₃ AsO ₄), monopotassium salt, 1/5hydrate 砷酸二氢钾 五分之一水合物	-	164170-84-7	
	Tripotassium arsenate 3/2hydrate 三砷酸钾 三分之二水合物	-	62702-52-7	
	(4-(2-Amino-2-oxoethyl)amino)phenylarsonic acid (4-(2-氨基-2-氧代乙基)氨基)苯基砷酸	-	618-25-7	
	Tetraphenylarsonium chloride, compound with hydrochloric acid (1:1) 氯化四苯基砷 盐酸盐复合物 (1:1) (四苯基砷盐酸盐)	277-208-5	73003-83-5	
	Disodium hydrogen 2-[[7-[(2-arsonophenyl)azo]-1,8-dihydroxy-3,6-disulphonato-2-naphthyl]azo]benzoate 2-[[7-[(2-砷基苯基)偶氮]-1,8-二羟基-3,6-二磺基-2-萘基]偶氮]苯甲酸二钠 (偶氮染料类化合物)	238-715-7	14674-83-0	
	2,2'-[ethylenebis(oxy)]bis[1,3,2-dioxasolane] 2,2'-[亚乙基双(氧基)]双[1,3,2-二氧杂环庚烷]	238-911-2	14849-23-1	
	Chlorotris(triphenylarsine)rhodium 氯·三(三苯基砷)合铑	239-051-0	14973-92-3	
	Proustite (Ag ₃ (AsS ₃)) 淡红银矿 (Ag ₃ AsS ₃)	239-179-7	15122-58-4	
	Tetraphenylarsonium (hydrogen dichloride) 四苯基砷(二盐酸盐)	244-144-4	21006-73-5	
	Methylenebis(diphenylarsine) 亚甲基双(二苯基砷)	244-639-5	21892-63-7	
	Diphenylarsinecarbonitrile 二苯基砷甲腈	245-716-6	23525-22-6	
	Bis[(2-diphenylarsinoethyl)phenyl]phosphine 双[(2-二苯基砷基乙基)苯基]膦	245-756-4	23582-05-0	
	[2-(diphenylarsino)ethyl]diphenylphosphine [2-(二苯基砷基)乙基]二苯基膦	245-758-5	23582-06-1	
	Trisodium 4-[(o-arsonophenyl)azo]-3-oxidonaphthalene-2,7-disulphonate 4-[(邻砷酸基苯基)偶氮]-3-氧化萘-2,7-二磺基三钠	258-693-2	53669-45-7	
	Acetarsol sodium 乙酰砷酸钠	259-714-8	55588-51-7	
	3-formamido-4-hydroxyphenylarsonic acid 3-甲酰胺基-4-羟基苯基砷酸	262-085-2	60154-16-7	
	Bromo(hydroxytetraphenylarsonato)magnesium 溴(羟基四苯基砷酸)镁	264-254-6	63468-73-5	
	Trisodium 3-[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate 3-[(邻砷酸基苯基)偶氮]-4,5-二羟基萘-2,7-二磺基三钠	266-069-6	66019-20-3	
	Dibismuth tris(methylarsonate) 三甲基砷酸二铋	286-401-3	85237-42-9	
	Arsenopyrite, cobaltian 神黄铁矿, 含钴型	-	12414-94-7	
	Arsenous acid, antimony(3+) salt (1:1) 亚砷酸锑(III)盐 (1:1)	-	12523-20-5	
	Arsenic oxide 氧化砷	-	12777-38-7	
	Arsenic acid (H ₃ AsO ₄), ammonium salt (2:1) 砷酸铵 (2:1)	-	127795-79-3	
	Nickel arsenide 砷化镍	-	12795-30-1	
	Rammelsbergite (NiAs ₂) 斜方砷镍矿 (NiAs ₂)	-	1303-22-6	
	Zinc arsenate oxide (Zn ₅ (AsO ₃) ₄ O ₃), tetrahydrate 四水合氧砷酸锌	-	1303-39-5	
	Diarsenic acid 二砷酸	-	13453-15-1	
	Arsenic acid (H ₃ AsO ₄), copper(2+) salt (1:1) 砷酸铜(II)盐	-	13464-31-8	
	Arsenic acid, calcium salt (1:2) 砷酸钙 (1:2)	-	13464-39-6	
	Arsenic acid, disodium salt 砷酸二钠盐	-	13466-06-3	
	Boron arsenate 砷酸硼	-	13510-31-1	
	Zinc arsenate, octahydrate 八水合砷酸锌	-	13510-72-0	
	Arsenic sulfide (As ₂ S ₄) 硫化砷 (As ₂ S ₄)	-	12344-68-2	
	Strychnidin-10-one, comp. with methylarsonate (1:1) 士的宁-10-酮 与 甲基砷酸盐的化合物 (1:1)	279-614-8	80879-64-7	
	Silicic acid (H ₄ SiO ₄), magnesium manganese(2+) zinc salt, arsenic and lead-doped 砷和铅掺杂的硅酸 (H ₄ SiO ₄) 镁锰(II)锌盐	-	68784-76-9	
	Silicic acid (H ₄ SiO ₄), tetraethyl ester, polymer with arsenic oxide (As ₂ O ₃) 硅酸 (H ₄ SiO ₄) 四乙酯 与 氧化砷 (As ₂ O ₃) 的聚合物	-	68957-75-5	
	Arsenous acid, silver(1+) salt 亚砷酸银(I)盐	-	69507-43-3	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Benzenesulfonic acid, 4-arsenoso- 4-亚砷酰基苯磺酸	-	71130-51-3	
	Arsenous acid, lithium salt 亚砷酸锂盐	-	72845-34-2	
	Arsenous acid, neodymium(3+) salt 亚砷酸钕(3+)盐	-	76871-63-1	
	Arsenous acid, lutetium(3+) salt 亚砷酸镧(3+)盐	-	76871-65-3	
	Arsenous acid, cadmium neodymium(3+) salt (5:1:1) 亚砷酸镧钕(3+)盐 (5:1:1)	-	76871-66-4	
	Arsenic acid (H3AsO4), copper(2+) salt (2:3) 砷酸铜(2+)盐 (2:3)	-	76407-89-1	
	Arsenous acid, cesium salt 亚砷酸铯盐	-	82005-78-5	
	Arsenous acid, mercury(2+) salt 亚砷酸汞(2+)盐	-	82980-40-3	
	Arsenous acid, antimony(3+) salt 亚砷酸锑(3+)盐	-	83877-96-7	
	Arsenous acid, cadmium salt 亚砷酸镉盐	-	84953-43-5	
	Arsenous acid, cobalt(2+) salt 亚砷酸钴(2+)盐	-	85561-28-0	
	Arsenous acid, manganese(2+) salt 亚砷酸锰(2+)盐	-	85561-29-1	
	Arsenous acid, rubidium salt 亚砷酸铷盐	-	85906-44-1	
	Arsenic acid (H3AsO4), calcium salt (7:10) 砷酸钙盐 (7:10)	-	85949-61-7	
	Arsenous acid, praseodymium(3+) salt 亚砷酸镨(3+)盐	-	86859-92-9	
	Arsenous acid, cerium(3+) salt 亚砷酸铈(3+)盐	-	86859-93-0	
	Arsenic acid (H3AsO4), copper(2+) salt (1:1), sesquihydrate 砷酸铜(2+)盐 (1:1), 倍半水合物	-	88442-64-2	
	Arsenic acid (H3AsO4), copper(2+) salt (4:5) 砷酸铜(2+)盐 (4:5)	-	89054-01-3	
	Arsenic acid (H3AsO4), calcium salt (4:5) 砷酸钙盐 (4:5)	-	89067-81-2	
	Tin arsenide (Sn4As3) 砷化锡 (SnAs4)	-	12397-66-9	
	o-phenylenebis(dimethylarsine) 邻苯撑双(二甲基砷)	236-227-9	13246-32-7	
	Melarsolyl potassium 美拉砷酸钾	236-405-6	13355-00-5	
	Thiobis[methylarsine], anhydrosulphide 硫代双[甲砷], 无水硫化物	236-436-5	13367-92-5	
	Propylarsonic acid 丙基砷酸	203-482-2	107-34-6	
	Glycobiarsol 甘砷砷	204-143-1	116-49-4	
	Arsthinol 砷砷醇	204-361-7	119-96-0	
	Carbarsone 卡巴砷	204-484-6	121-59-5	
	Methylarsonic acid 甲砷酸	204-705-6	124-58-3	
	Disodium arsonoacetate 砷基乙酸二钠	204-806-5	126-82-9	
	4-[(2-arsenophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonic acid 4-[(2-砷酸苯基)偶氮]-3-羟基萘-2,7-二磺酸	205-058-2	132-33-2	
	Sodium hydrogen [4-(hydroxyacetyl)amino]phenylarsonate 氢[4-(羟基乙酰基)氨基]苯基砷酸钠	205-415-2	140-45-4	
	Disodium methylarsonate 甲砷酸二钠	205-620-7	144-21-8	
	4-(glycolloylamino)phenylarsonic acid 4-(乙醇酰胺基)苯基砷酸	205-643-2	144-87-6	
	Diphenoxarsin-10-yl oxide 二苯氧砷-10-基氧化物	200-377-3	58-36-6	
	Acetarsol 乙酰砷砷	202-582-3	97-44-9	
	o-phenylenediarsonic acid 邻苯撑二砷酸	217-154-1	1758-48-1	
	Sodium p-[[4-[3-(2-arseno-4-nitrophenyl)triazen-1-yl]phenyl]azo]benzenesulphonate 对-[[4-[3-(2-砷酸-4-硝基苯基)三氮烯-1-基]苯基]偶氮]苯磺酸钠	217-197-6	1772-02-7	
	Tetramethyldiarsine 四甲基二砷	207-440-4	471-35-2	
	Melarsoprol 美拉砷醇	207-793-4	494-79-1	
	Tetraphenylarsonium bromide 溴化四苯基砷	208-069-0	507-27-7	
	Tetraphenylarsonium chloride 氯化四苯基砷	208-070-6	507-28-8	
	Difetarsone disodium 地伐膦砷二钠	208-209-0	515-76-4	
	SODIUM 2-[(hydrogen arsonatophenyl)azo]-1,8-dihydroxynaphthalene-3,6-disulphonate 2-[(氢砷酰基)偶氮]-1,8-二羟基萘-3,6-二磺酸钠	208-285-5	520-10-5	
	Acetarsol-diethylamine (1:1) 乙酰砷砷-二乙胺 (1:1)	208-597-1	534-33-8	
	Tryparsamide 维虫砷砷	209-070-9	554-72-3	
	10-chloro-5,10-dihydrophenarsazine 10-氯-5,10-二氢吩砷砷	209-433-1	578-94-9	
	Sodium hydrogen [4-(acetamido)phenyl]arsonate 氢[4-(乙酰氨基)苯基]砷酸钠	209-558-1	585-54-6	
	Allylarsonic acid 烯丙基砷酸	209-678-4	590-34-1	
	Methyloxarsine 甲基氧代砷	209-799-2	593-58-8	
	Trimethylarsine 三甲基砷	209-815-8	593-88-4	
	Dichloro(ethyl)arsine 二氯(乙基)砷	209-919-3	598-14-1	
	Triethylarsine 三乙基砷	210-526-4	617-75-4	
	4-acetamidophenylarsonic acid 4-乙酰氨基苯基砷酸	210-541-6	618-22-4	
	4-(4-dimethylaminophenylazo)phenylarsonic acid 4-(4-二甲氨基苯基偶氮)苯基砷酸	210-750-2	622-68-4	
	Iododimethylarsine 碘化二甲基砷	211-630-2	676-75-5	
	Dichloro(phenyl)arsine 二氯(苯基)砷	211-791-9	696-28-6	
	Chlorodiphenylarsine 氯二苯基砷	211-921-4	712-48-1	
	Diphenylarsine 二苯基砷	212-589-3	829-83-4	
	Methyl 1,2,3,6-tetrahydro-1-methylpicotinate, mono(3-acetamido-4-hydroxyphenyl)arsonate 1,2,3,6-四氢-1-甲基吡啶-3-羧酸单(3-乙酰氨基-4-羟基苯基)砷酸钠	212-983-5	900-77-6	
	Methyldiphenylarsine 甲基二苯基砷	213-414-3	945-48-2	
	Triphenylarsine oxide 氧化三苯基砷	214-571-0	1153-05-5	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
20	Organostannic compounds 有机锡化合物	-	-	<p>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.</p> <p>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:</p> <p>(a) all craft irrespective of their length intended for use in marine, coastal, estuarine and inland waterways and lakes;</p> <p>(b) cages, floats, nets and any other appliances or equipment used for fish or shellfish farming;</p> <p>(c) any totally or partly submerged appliance or equipment.</p> <p>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.</p> <p>4. Tri-substituted organostannic compounds:</p> <p>(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.</p> <p>(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.</p> <p>5. Dibutyltin (DBT) compounds:</p> <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. Diocetyl tin (DOT) compounds:</p> <p>(a) Diocetyl tin (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, — 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> <p>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。</p> <p>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污染时，不得投放市场及使用：</p> <p>(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；</p> <p>(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；</p> <p>(c) 任何部分或全部浸没在水中的器具或设备。</p> <p>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。</p> <p>4. 三取代有机锡化合物：</p> <p>(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%。</p> <p>(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 在 共 同 体 内 使 用。</p> <p>5. 二丁基锡化合物：</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日以后不符合(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 货物涂层， — 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 在 共 同 体 内 使 用。</p>
21	Di- <i>n</i> -oxo-di- <i>n</i> -butylstanniohydroxyborane / Dibutyltin hydrogen borate C8H19B03Sn (DBB) 二- <i>n</i> -氧代-二正丁基锡羟基硼烷 / 硼酸氢二丁基锡	401-040-5	75113-37-0	<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. 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。</p> <p>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>
	Cadmium and its compounds 镉及其化合物	-	-	
	Cadmium selenide sulphide 硒硫化镉	234-342-9	11112-63-3	
	Tricadmium diarsenide 二砷化三镉	234-484-1	12006-15-4	
	Cadmium hydrogen phosphate 磷酸氢镉	237-920-9	14067-62-0	
	Cadmium bis(diethylthiocarbamate) 双(二乙基二硫代氨基甲酸)镉	238-113-4	14239-68-0	
	Cadmium chromate 铬酸镉	238-252-0	14312-00-6	
	Cadmium dipotassium tetracyanide 四氰合镉(II)酸二钾	238-371-8	14402-75-6	
	Cadmium tetrafluoroborate 四氟硼酸镉	238-490-5	14486-19-2	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Bis(dibutylthiocarbamate-S,S') cadmium 双(二丁基二硫代氨基甲酸根-S,S') 合镉	238-609-0	14566-86-0	
	Bis(pentane-2,4-dionato-0,0') cadmium 双(2,4-戊二酮根-0,0') 合镉	238-730-9	14689-45-3	
	Tris(ethylenediamine)cadmium dihydroxide 三(乙二胺)合镉二氢氧化物	238-945-8	14874-24-9	
	Cadmium dicosanoate 二十烷酸镉 (花生酸镉)	238-994-5	14923-81-0	
	Cadmium bis(piperidine-1-carbodithioate) 双(哌啶-1-甲硫代酸根) 镉	239-025-9	14949-59-8	
	Bis(dimethylthiocarbamate-S,S') cadmium 双(二甲基二硫代氨基甲酸根-S,S') 合镉	239-026-4	14949-60-1	
	Lauric acid, barium cadmium salt 月桂酸钡镉盐	239-371-0	15337-60-7	
	Disodium tetrakis (cyanoc) cadmate (2-) 四氰合镉(2-) 酸二钠	239-765-2	15682-87-8	
	Dipotassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinate]](4-)-N,N',O,O',ON,ON] cadmate (2-) [N,N'-亚乙基双[N-(羧甲基)甘氨酸根]-N,N',O,O',ON,ON] 镉(2-) 酸二钾 (EDTA镉钾盐)	239-801-7	15708-29-9	
	Cadmium acrylate 丙烯酸镉	239-835-2	15743-19-8	
	Cadmium tellurium trioxide 三氧化碲镉	239-963-9	15851-44-2	
	Cadmium tellurium tetraoxide 四氧化碲镉	239-973-3	15852-14-9	
	Cadmium dilactate 二乳酸镉	240-181-5	16039-55-7	
	Cadmium divanadium hexoxide 六氧化二钒镉	240-203-3	16056-72-7	
	5-oxo-L-proline, cadmium salt 5-氧代-L-脯氨酸镉盐	240-269-3	16105-06-9	
	Cadmium succinate 丁二酸镉 (琥珀酸镉)	205-446-1	141-00-4	
	Barium cadmium tetrastearate 四硬脂酸钡镉	214-740-9	1191-79-3	
	Cadmium oxide 氧化镉	215-146-2	1306-19-0	
	Cadmium sulphide 硫化镉	215-147-8	1306-23-6	
	Cadmium selenide 硒化镉	215-148-3	1306-24-7	
	Cadmium telluride 碲化镉	215-149-9	1306-25-8	
	Cadmium carbonate 碳酸镉	208-168-9	513-78-0	
	Cadmium cyanide 氰化镉	208-829-1	542-83-6	
	Cadmium di (acetate) 二乙酸镉 (醋酸镉)	208-853-2	543-90-8	
	Dimethylcadmium 二甲基镉	208-055-4	506-82-1	
	Cadmium oxalate 草酸镉	212-408-8	814-88-0	
	Cadmium dithiocyanate 二硫氰酸镉	212-738-2	865-38-3	
	Cadmium 4-(1,1-dimethylethyl)benzoate 4-(1,1-二甲基乙基)苯甲酸镉 (对叔丁基苯甲酸镉)	224-022-7	4167-05-9	
	Cadmium cinnamate 肉桂酸镉	224-509-4	4390-97-0	
	Cadmium diformate 二甲酸镉	224-729-0	4464-23-7	
	Cadmium sebacate 癸二酸镉	224-754-7	4476-04-4	
	Cadmium nonan-1-oate 壬酸-1-镉盐 (壬酸镉)	225-839-1	5112-16-3	
	Cadmium dipalmitate 二棕榈酸镉	229-199-4	6427-86-7	
	Cadmium di (octanoate) 二辛酸镉	218-585-8	2191-10-8	
	Cadmium distearate 二硬脂酸镉	218-743-6	2223-93-0	
	Cadmium p-toluate 对甲苯甲酸镉	219-345-5	2420-97-5	
	Cadmium bis(2-ethylhexanoate) 双(2-乙基己酸) 镉	219-346-0	2420-98-6	
	Cadmium dilaurate 二月桂酸镉	220-017-9	2605-44-9	
	Cadmium diantranilate 二氨基酸镉 (邻氨基苯甲酸镉)	230-343-3	7058-55-1	
	Cadmium didecanoate 二癸酸镉	220-650-0	2847-16-7	
	Cadmium bis(benzoate) 双(苯甲酸) 镉	221-187-7	3026-22-0	
	Cadmium titanium trioxide 三氧化钛镉	234-593-4	12014-14-1	
	Tricadmium diphosphide 二磷酸三镉	234-595-5	12014-28-7	
	Antimony, compound with cadmium (2:3) 镉锡化合物 (2:3)	234-596-0	12014-29-8	
	Cadmium zirconium trioxide 三氧化锆镉	235-251-7	12139-23-0	
	Pentacadmium chloridetriphosphate 氯三磷酸五镉	235-353-1	12185-64-7	
	Dicadmium niobate 铌酸二镉	235-357-3	12187-14-3	
	Dicadmium selenide sulphide 硒硫化二镉	235-392-4	12214-12-9	
	Cadmium ditantalum hexaoxide 六氧化二钽镉	235-561-2	12292-07-8	
	Cadmium zinc sulphide 硫化锌镉	235-672-6	12442-27-2	
	Cadmium selenide sulfide 硒硫化镉	235-724-8	12626-36-7	
	Cadmium sulfoselelenide orange 硫硒化镉橙	235-758-3	12656-57-4	
	Cadmium 镉	231-152-8	7440-43-9	
	Cadmium bromide 溴化镉	232-165-1	7789-42-6	
	Cadmium fluoride 氟化镉	232-222-0	7790-79-6	
	Cadmium iodide 碘化镉	232-223-6	7790-80-9	
	Cadmium iodate 碘酸镉	232-224-1	7790-81-0	
	Cadmium dinitrite 二亚硝酸镉	232-225-7	7790-83-2	
	Cadmium wolframate 钨酸镉	232-226-2	7790-85-4	
	Cadmium zinc sulfide yellow 硫化锌镉黄	232-466-8	8048-07-5	
	Cadmium chloride 氯化镉	233-296-7	10108-64-2	
	Cadmium sulphate 硫酸镉	233-331-6	10124-36-4	
	Cadmium myristate 肉豆蔻酸镉	233-489-6	10196-67-5	
	Cadmium nitrate 硝酸镉	233-710-6	10325-94-7	
	Cadmium diolate 二油酸镉	233-954-3	10468-30-1	
	Slimes and Sludges, cadmium-refining, oxidized 氧化的镉精炼泥渣	273-831-1	69029-90-9	
	Slimes and Sludges, cadmium sump tank 镉沉淀槽泥渣	273-832-7	69029-91-0	
	Cadmium (2+) 12-hydroxooctadecanoate 12-羟基十八烷酸镉(2+) 盐	273-881-4	69121-20-6	
	Cadmium potassium 1-(hydroxyethylidene)bisphosphonate(1:2:1) 1-(羟基亚乙基)二膦酸镉钾 (1:2:1)	273-906-9	69190-99-4	
	Fatty acids, C12-18, barium cadmium salts C12-18脂肪酸钡镉盐	274-304-9	70084-75-2	

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 (*).

1. Shall not be used in mixtures and articles produced from the following synthetic organic polymers (hereafter referred to as plastic material):

- polymers or copolymers of vinyl chloride (PVC) [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]
- 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]

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.

By way of derogation, the second subparagraph shall not apply to articles placed on the market before 10 December 2011. The first and second subparagraphs apply without prejudice to Council Directive 94/62/ EC

(*e) and acts adopted on its basis.

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.

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.

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.

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.

3. By way of derogation, paragraphs 1 and 2 shall not apply to articles coloured with mixtures containing cadmium for safety reasons.

4. By way of derogation, paragraph 1, second sub paragraph shall not apply to:

- 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:

(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. 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:

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.

5. For the purpose of this entry, 'cadmium plating' means any deposit or coating of metallic cadmium on a metallic surface. Shall not be used for cadmium plating metallic articles or components of the articles used in the following sectors/applications:

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Cadmium selenide (CdSe), solid soln. with cadmium sulfide 硒化镉与硫化镉的固溶体	275-290-7	71243-75-9	(a) equipment and machinery for: — 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] (b) equipment and machinery for the production of: — 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]
	(R)-12-hydroxyoleic acid, barium cadmium salt (R)-12-羟基油酸钡镉盐	275-370-1	71411-66-0	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.
	Tetra-μ-chlorodichlorobis[2-[(2,3-dihydroxypropoxy)hydroxyphosphinyloxy]triethylmethylammonium]tricadmium, stereoisomer 四-μ-氯-二氯-双[[2-(2,3-二羟基丙氧基)羟基膦酰基氧基]三乙基铵根]合三镉(立体异构体)	276-100-5	71861-27-3	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: (a) equipment and machinery for the production of: — paper and board [8419 32] [8439] [8441] textiles and clothing [8444] [8445] [8447] [8448] [8449] [8451] [8452] (b) equipment and machinery for the production of: — 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]
	Fatty acids, coco, cadmium salts 椰子脂肪酸镉盐	276-952-8	72869-63-7	7. However, the restrictions in paragraphs 5 and 6 shall not apply to: — 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.
	Zircon, cadmium yellow 锆石黄镉	277-135-9	72968-34-4	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.
	Fatty acids, C8-10-branched, cadmium salts C8-10支链脂肪酸镉盐	296-092-7	92257-06-2	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.
	Leach residues, zinc refining flue dust, cadmium-thallium ppt. 锌精炼烟生浸出残渣(镉铊沉淀物)	296-097-4	92257-11-9	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: (i) metal beads and other metal components for jewellery making; (ii) metal parts of jewellery and imitation jewellery articles and hair accessories, including: — bracelets, necklaces and rings, — piercing jewellery, — wrist-watches and wrist-wear, — brooches and cufflinks.
	Fatty acids, C9-13-neo-, cadmium salts C9-13新酸镉盐	296-441-3	92704-12-6	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
	Fatty acids, olive-oil, cadmium salts 橄榄油脂肪酸镉盐	296-445-5	92704-15-9	为本次条目的目的,方括号中标注的代码和章节将根据欧洲理事会第 2658/87 号条例 (*) 制定的《共同海关规则》中规定的税则和统计产品目录的代码和章节。
	Fatty acids, peanut-oil, cadmium salts 花生油脂肪酸镉盐	296-449-7	92704-19-3	
	Fatty acids, rape-oil, cadmium salts 菜籽油脂肪酸镉盐	296-454-4	92704-24-0	
	Fatty acids, C14-18 and C18-unsatd., branched and linear, hydrogenated, cadmium salts 氢化C14-18及C18不饱和(支链与直链)脂肪酸镉盐	296-564-2	92797-28-9	
	Nonanoic acid, branched, cadmium salt 支链壬酸镉盐	297-692-1	93686-40-9	
	Carbonic acid, cadmium salt 碳酸镉盐	298-586-8	93820-02-1	
	Cadmium propionate 丙酸镉	241-066-2	16986-83-7	
	Cadmium hexafluorosilicate(2-) 六氟硅酸(2-)镉	241-084-0	17010-21-8	
	Tricadmium bis(phosphate) 双(磷酸)三镉	236-764-9	13477-17-3	
	Cadmium silicate 硅酸镉	236-765-4	13477-19-5	
	Cadmium sulphite 亚硫酸镉	236-767-5	13477-23-1	
	Diboron tricadmium hexaoxide 六氧化二硼三镉	237-225-0	13701-66-1	
	Dicadmium hexakis(cyano-C)ferrate(4-) 六氰合铁(4-)酸二镉	237-341-1	13755-33-4	
	Cadmium selenite 亚硒酸镉	237-480-8	13814-59-0	
	Cadmium selenate 硒酸镉	237-481-3	13814-62-5	
	Cadmium diricinolate 二萘麻醇酸镉	237-544-5	13832-25-2	
	Cadmium orthophosphate 磷酸镉(正磷酸镉)	237-581-7	13847-17-1	
	Cadmium molybdenum tetroxide 四氧化钼镉	237-752-6	13972-68-4	
	Cadmium disulphate 二氢基磺酸镉	237-832-0	14017-36-8	
	[[N,N'-ethylenebis(glycinato)](2-)-N,N',O,O']cadmium [N,N'-亚乙基双(甘氨酸根)-N,N',O,O']镉	249-897-1	29977-13-7	
	Cadmium isooctanoate 异辛酸镉	250-118-3	30304-32-6	
	Cadmium dodecylbenzenesulphonate 十二烷基苯磺酸镉	250-433-6	31017-44-4	
	Cadmium (1,1-dimethylethyl)benzoate (1,1-二甲乙基)苯甲酸镉(叔丁基苯甲酸镉)	250-515-1	31215-94-8	
	Cadmium [R-(R*,R*)]-tartrate [R-(R*,R*)]-酒石酸镉	251-827-0	34100-40-8	
	Cadmium didocosanoate 二十二烷酸镉(山前酸镉)	251-927-4	34303-23-6	
	Disodium [[N,N'-ethylenebis(N-(carboxymethyl)glycinato)](4-)-N,N',O,O',ON,ON']cadmate(2-) [N,N'-亚乙基双(N-(羧甲基)甘氨酸根)-N,N',O,O',ON,ON']镉(2-)酸二钠	252-736-9	35803-35-1	
	Cadmium 3,5,5-trimethylhexanoate 3,5,5-三甲基己酸镉	252-918-8	36211-44-6	
	Cadmium (2+) (R)-12-hydroxyoctadecanoate 12-羟基十八烷酸镉(2+)盐	253-979-3	38517-19-0	
	Bis(ethylene diamine) cadmium(2+) bis(dicyanoaurate(1-)) 双(乙二胺)合镉(2+) 双[[二氰合金(1-)酸盐]	242-708-4	18974-20-4	若上述所列塑料材料制成的混合物和物品中,镉的浓度(以金属镉计)等于或大于塑料材料重量的 0.01%,则不得投放市场。
	Cadmium diphenolate 二苯酚盐	242-727-8	18991-05-4	作为豁免,第二段不适用于在 2011 年 12 月 10 日之前投放市场的物品。
	Cadmium bis(dipentylthiocarbamate) 双(二戊基二硫代氨基甲酸)镉	242-747-7	19010-65-2	在不影响欧洲理事会指令 94/62/EC (***) 及其通过的法案的前提下,适用第一段和第二段。
	Cadmium disalicylate 二水杨酸镉	242-749-8	19010-79-8	
	Cadmium hydroxide 氢氧化镉	244-168-5	21041-95-2	在 2012 年 11 月 19 日前,委员会应根据本条例第 69 条要求欧洲化学品管理局准备一份符合附件 XV 要求的档案,以评估除第 1 段所列塑料材料外的其他塑料材料中镉及其化合物的使用是否应受到限制。
	Cadmium methacrylate 甲基丙烯酸镉	246-183-2	24345-60-6	
	Cadmium epoxyoctadecanoate 环氧十八烷酸镉	247-560-4	26264-48-2	2. 不得在代码为 [3208] [3209] 的油漆中使用,也不得以等于或大于该油漆重量 0.01% (以金属镉计)的浓度投放市场。 对于锌含量超过油漆重量 10% 的代码为 [3208] [3209] 的油漆,其镉浓度(以金属镉计)不得等于或大于油漆重量的 0.1%。 若被涂物品上的油漆中镉的浓度(以金属镉计)等于或大于该油漆重量的 0.1%,则不得将被涂物品投放市场。
	Cadmium toluate 甲苯甲酸镉	248-480-2	27476-27-3	
	Cadmium pentadecanoate 十五烷酸镉	264-124-9	63400-09-9	3. 作为豁免,第 1 段和第 2 段的规定不适用于出于安全原因使用含镉混合物着色的物品。
	(S)-dichloro[2-[[[(2,3-dihydroxypropoxy)hydroxyphosphinyloxy]triethylmethylammonium]tricadmium (S)-二氯 2-[[[(2,3-二羟基丙氧基)羟基膦酰基氧基]三乙基铵根]镉	265-010-1	64681-08-9	4. 作为豁免,第 1 段第二段不适用于: — 由聚氯乙烯(“回收 PVC”)生产的混合物, — 含有回收 PVC 的混合物和物品,只要其镉浓度(以金属镉计)不超过以下硬质 PVC 应用中塑料材料重量的 0.1%: (a) 建筑用型材和硬板; (b) 门、窗、百叶窗、墙壁、遮阳篷、栏杆和屋顶排水沟; (c) 平台和露台; (d) 电线电缆; (e) 非饮用水管道,前提是回收 PVC 用于多层管的中间层,并完全覆盖有符合上述第 1 段规定的新生产 PVC 层。
	Bis(propane-1,2-diyl)cadmium(2+) bis[bis(cyano-C)aurate(1-)] 双(1,2-丙二胺-N,N')合镉(2+) 双[[双(氰基-C)金(1-)酸盐]	267-692-6	67906-19-8	
	Cadmium dilauroate 二亚油酸镉	267-845-7	67939-62-2	
	Cadmium hexakis(dicyanoaurate(1-)) [六(二氰合金(1-)酸盐)合镉(2+)] [六(二氰合金(1-)酸盐)合镉(2+)]	268-020-4	67989-93-9	
	Cadmium m-toluate 间甲苯甲酸镉	268-458-6	68092-45-5	
	Fatty acids, C10-18, cadmium salts C10-18脂肪酸镉盐	268-620-6	68131-58-8	供应商应确保,在首次将含有回收 PVC 的混合物和物品投放市场之前,对其进行清晰、易读且不可擦除的标记如下:“含回收 PVC”或使用以下象形图:
	Fatty acids, C12-18, cadmium salts C12-18脂肪酸镉盐	268-621-1	68131-59-9	根据本条例第 69 条,将在 2017 年 12 月 31 日前审查第 4 段中给予的豁免,特别是为了降低镉的限值并重新评估 (a) 至 (c) 点所列应用的豁免。
	Benzyltriphenylphosphonium tetrachlorocadmiate 四氯合镉苯基三苯基磷	269-289-0	68214-25-5	
	Pentapotassium hydrogen [[[ethylenebis(nitriolobis(methylene))]tetrakis(phosphonato)](8-)]cadmate(6-) [[亚乙基双[次氨基基(亚甲基)]四[膦酸根]]镉(6-)酸五钾盐	269-685-3	68309-98-8	
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped 硫化镉与硫化锌的固溶体(掺杂铜和铅)	269-773-1	68332-81-0	
	Fatty acids, C14-18, cadmium salts C14-18脂肪酸镉盐	270-067-0	68409-82-5	
	Cadmium, benzoate p-tert-butylbenzoate complexes 苯甲酸对叔丁基苯甲酸镉配合物	270-824-5	68478-53-5	
	Pyrochlore, bismuth cadmium ruthenium 烧绿石,铋镉钌	270-855-4	68479-13-0	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Potassium [N,N-bis(carboxymethyl)glycinate(3--N,0,0',0')cadmate(1-)] [N,N-双(羧甲基)甘氨酸根(3--N,0,0',0')镉(1-)酸钾]	256-488-2	49784-42-1	— 中央供暖和空调设备 [7322] [8403] [8404] [8415]
	Bis[N,N-bis(carboxymethyl)glycinate(3-)]tricadmium 双[N,N-双(羧甲基)甘氨酸根(3-)]三镉	256-679-0	50648-02-7	— 无论如何, 无论其用途或预期最终目的是什么, 禁止将用于上述 (a) 和 (b) 点所列领域/应用的镀镉物品或其部件, 以及 (b) 点所列领域制造的物品投放市场。
	Boric acid, cadmium salt 硼酸镉盐	257-067-6	51222-60-7	6. 第 5 段所述规定同样适用于用于以下 (a) 和 (b) 点所列领域/应用的镀镉物品或其部件, 以及 (b) 点所列领域制造的物品:
	Cadmium o-toluate 邻甲苯甲酸镉	257-860-7	51237-78-7	(a) 用于生产以下产品的设备与机械:
	Cadmium bis(4-cyclohexylbutyrate) 双(4-环己基丁酸)镉	259-767-7	55700-14-6	— 纸张和纸板 [8419 32] [8439] [8441]
	Cadmium divalenate 二戊酸镉	260-498-2	56982-42-4	— 纺织品和服装 [8444] [8445] [8447] [8448] [8449] [8451] [8452]
	Cadmium sulfoselenide red 硫硒化镉红	261-218-1	58339-34-7	(b) 用于生产以下产品的设备与机械:
	Naphthenic acids, cadmium salts 环烷酸镉盐	263-053-0	61789-34-2	— 工业搬运设备和机械 [8425] [8426] [8427] [8428] [8429] [8430] [8431]
	Cadmium neodecanoate 新癸酸镉	263-352-6	61951-96-0	— 道路车辆和农用车辆 [第 87 章]
	Cadmium bis(heptadecanoate) 双(十七烷酸)镉	263-434-1	62149-56-8	— 铁道车辆 [第 86 章]
	Cadmium isononoate 异壬酸镉	283-660-4	84696-56-0	— 船舶 [第 89 章]
	Cadmium isoctadecanoate 异十八烷酸镉	284-428-5	84878-36-4	7. 然而, 第 5 段和第 6 段的限制不适用于:
	Cadmium tert-decanoate 叔癸酸镉	284-429-0	84878-37-5	— 用于航空、航天、采矿、近海和核能领域的物品及其部件, 这些领域的应用要求高安全标准, 以及用于道路车辆、农用车辆、铁道车辆和船舶的安全装置中的物品及其部件,
	Cadmium bis(nonylphenolate) 双(壬基酚)镉盐	284-441-6	84878-48-8	— 任何使用领域的电触点, 当这对于确保安装它们的设备所要求的可靠性是必要的情况。
	Cadmium bis(octylphenolate) 双(辛基酚)镉盐	284-444-2	84878-51-3	8. 不得在钎焊材料中以等于或大于其重量 0.01% 的浓度使用。
	Flue dust, lead-manufg., cadmium-rich 铅制造业富镉烟尘	285-554-3	85117-02-8	若钎焊材料中镉的浓度 (以金属镉计) 等于或大于其重量的 0.01%, 则不得将该钎焊材料投放市场。
	Waste solids, cadmium-electrolysis, thallium-rich 铜电解富铊废固	285-572-1	85117-20-0	就本段而言, “钎焊”指使用合金并在高于 450 ° C 的温度下进行的连接技术。
	Fatty acids, C9-11-branched, cadmium salts C9-11支链脂肪酸镉盐	287-817-8	85586-15-8	9. 作为豁免, 第 8 段不适用于国防和航空航天应用的钎焊材料以及出于安全原因使用的钎焊材料。
	Bis(5-oxo-L-prolinate-N1,02)cadmium 双(5-氧代-L-脯氨酸根-N1,02)镉	288-974-5	85958-86-7	10. 若浓度等于或大于该金属重量的 0.01%, 则不得在以下物品中使用或投放市场:
	Bis(5-oxo-DL-prolinate-N1,02)cadmium 双(5-氧代-DL-脯氨酸根-N1,02)镉	289-081-3	85994-31-6	(i) 用于制作珠宝的金属珠子和其他金属部件;
	Benzeneulfonic acid, mono-C10-13-alkyl derivs., cadmium salts 单-C10-13-烷基衍生物来磺酸镉盐	290-645-6	90194-35-7	(ii) 珠宝及仿制珠宝物品和装饰的金属部件, 包括:
	Benzoic acid, cadmium salt, basic 苯甲酸镉碱式盐	290-764-3	90218-85-2	— 手链、项链和戒指,
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and cobalt and copper and silver-doped 硫化镉与硫化锌的固溶体 (掺杂铝、钴、铜、银)	272-220-7	68784-10-1	— 穿刺饰品,
	Barium cadmium calcium chloride fluoride phosphate, antimony and manganese-doped 氯化钡镉钙氯氟磷酸盐 (掺杂铋和锰)	272-257-9	68784-55-4	— 手表和腕饰,
	Fatty acids, tall-oil, cadmium salts 爱尔兰油脂脂肪酸镉盐	272-499-5	68855-80-1	— 胸针和袖扣。
	Fatty acids, C8-18 and C18-unsatd., cadmium salts C8-18及C18不饱和脂肪酸镉盐	272-529-7	68876-84-6	11. 作为豁免, 第 10 段不适用于在 2011 年 12 月 10 日之前投放市场的物品以及超过 50 年历史的珠宝。
	Cadmium sulfide (CdS), aluminum and copper-doped 硫化镉 (掺杂铝和铜)	272-539-1	68876-98-2	
	Cadmium sulfide (CdS), aluminum and silver-doped 硫化镉 (掺杂铝和银)	272-540-7	68876-99-3	
	Cadmium sulfide (CdS), copper chloride-doped 硫化镉 (掺杂氯化铜)	272-541-2	68877-00-9	
	Cadmium sulfide (CdS), silver chloride-doped 硫化镉 (掺杂氯化银)	272-542-8	68877-01-0	
	Cadmium sulfide (CdS), copper and lead-doped 硫化镉 (掺杂铜和铅)	272-581-0	68891-87-2	
	Fatty acids, tallow, hydrogenated, cadmium salts 氢化牛油脂脂肪酸镉盐	273-203-7	68953-39-9	
	Resin acids and Rosin acids, cadmium salts 树脂酸和松香酸镉盐	273-320-3	68956-81-0	
	Hydrogen [4-[(5-chloro-4-methyl-2-sulphophenyl)azo]-3-hydroxynaphthalene-2-carboxylato(3-)]cadmate(1-) 氢[4-[(5-氯-4-甲基-2-磺基苯基)偶氮]-3-羟基-2-萘甲酸根(3-)]镉(1-)酸盐	273-461-0	68966-97-2	
	Cadmium, dross 镉浮渣	273-707-7	69011-69-4	
	Wastewater, cadmium sulfate electrolytic, acid 硫酸镉电解酸性废水	273-721-3	69012-21-1	
	Flue dust, cadmium-refining 镉精炼烟尘	273-754-3	69012-57-3	
	Calcines, cadmium residue 镉残渣焙砂	273-806-5	69029-63-6	
	Leach residues, cadmium-refining 镉精炼浸出残渣	273-811-2	69029-70-5	
	Residues, cadmium-refining 镉精炼残渣	273-819-6	69029-77-2	
	Cadmate(1-), triiodo-, potassium 三碘合镉(1-)酸钾	-	14429-88-0	
	Bis(2-ethylhexyl mercaptoacetato -O',S)cadmium 双(2-乙基己基硫基乙酸根-O',S)镉	299-281-2	93858-50-5	
	Cadmium bis(o-nonylphenolate) 双(邻壬基酚)镉盐	299-701-4	93894-07-6	
	Cadmium bis(p-nonylphenolate) 双(对壬基酚)镉盐	299-703-5	93894-08-7	
	Cadmium bis[p-(1,1,3,3-tetramethylbutyl)phenolate] 双[对-(1,1,3,3-四甲基丁基)酚]镉盐	299-704-0	93894-09-8	
	Cadmium (Z)-hexadec-9-enoate (Z)-十六碳-9-烯酸镉	299-705-6	93894-10-1	
	Cadmium isodecanoate 异癸酸镉	300-973-4	93965-24-3	
	Cadmium bis(isoundecanoate) 双(异十一烷酸)镉	300-980-2	93965-30-1	
	Cadmium dimethylhexanoate 二甲基己酸镉	301-320-6	93983-65-4	
	Cadmium tetrapentyl bis(phosphate) 四戊基双(磷酸)镉	303-977-4	94232-49-2	
	Cadmium isooctyl phthalate (1:2:2) 镉异辛基邻苯二甲酸酯 (1:2:2)	304-193-5	94247-16-2	
	Decanoic acid, branched, cadmium salts 支链癸酸镉盐	291-155-5	90342-19-1	
	Hexanoic acid, 2-ethyl-, cadmium salt, basic 2-乙基己酸镉碱式盐	291-438-3	90411-62-4	
	Propanoic acid, cadmium salt, basic 丙酸镉碱式盐	292-013-5	90529-78-5	
	Cadmium zinc lithopone yellow 镉锌立德粉黄	292-385-9	90604-89-0	
	Cadmium lithopone yellow 镉立德粉黄	292-386-4	90604-90-3	
	Leach residues, cadmium cake 镉饼浸出残渣	293-309-7	91053-44-0	
	Leach residues, zinc ore-calcine, cadmium-copper ppt. 锌矿焙砂浸出残渣 (镉铜沉淀物)	293-311-8	91053-46-2	
	Fatty acids, castor-oil, hydrogenated, cadmium salts 氢化蓖麻油脂肪酸镉盐	294-296-0	91697-35-7	
	Cadmium (1-ethylhexyl) phthalate (1:2:2) 镉(1-乙基己基)邻苯二甲酸酯 (1:2:2)	304-482-6	94275-93-1	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
24	Monomethyl - tetrachlorodiphenyl methane Trade name: Ugilec 141 氯甲基 - 四氯二苯基甲烷 商品名: Ugilec 141	-	76253-60-6	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. 2. By way of derogation, paragraph 1 shall not apply: (a) in the case of plant and machinery already in service on 18 June 1994, until such plant and machinery is disposed of; (b) in the case of the maintenance of plant and machinery already in service within a Member State on 18 June 1994. 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. 1. 不得作为物质或混合物投放市场或使用。含有该物质的物品不得投放市场。 2. 作为豁免, 第1段规定不适用于: (a) 对于在1994年6月18日已投入使用的设备和机械, 在其报废处置之前; (b) 对于在1994年6月18日已在成员国境内投入使用的设备和机械的维护。 出于第(a)点的目的, 成员国可基于人类健康和环境保护的理由, 在其境内禁止此类设备或机械在报废前继续使用。
25	Monomethyl-dichloro-diphenyl methane Trade name: Ugilec 121, Ugilec 21 氯甲基 - 二氯二苯基甲烷 商品名: Ugilec 121, Ugilec 21	-	-	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. 不得作为物质或混合物投放市场或使用。 含有该物质的物品不得投放市场。
26	Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers DBBT 甲基二溴二苯基甲烷溴苄基溴甲苯, 异构体混合物 商品名: Ugilec 141	402-210-1	99688-47-8	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. 不得作为物质或混合物投放市场或使用。 含有该物质的物品不得投放市场。
	Nickel and its compounds 镍及其化合物	-	-	
	Nickel compounds 镍化合物	-	-	
	Nickel 镍	231-111-4	7440-02-0	
	Aluminium, compound with nickel (1:1) 铝镍合金 (1:1)	234-439-6	12003-78-0	
	Dialuminium nickel tetraoxide 四氧化二镍	234-454-8	12004-35-2	
	Nickel boride 硼化镍	234-493-0	12007-00-0	
	Dinickel boride 二硼化二镍	234-494-6	12007-01-1	
	Trinickel boride 三硼化三镍	234-495-1	12007-02-2	
	Bis(quinolin-8-olato-N1,O8)nickel 双(8-羟基喹啉)镍	237-950-2	14100-15-3	
	Nickel tungsten tetraoxide 四氧化钨镍	238-032-4	14177-51-6	
	Molybdenum nickel tetraoxide 四氧化钼镍	238-034-5	14177-55-0	
	Nitric acid, nickel salt 硝酸镍	238-076-4	14216-75-2	
	Dipotassium tetracyanonickelate 四氰合镍(II)酸二钾	238-082-7	14220-17-8	
	Bis(triphenylphosphine)nickel(II) chloride 双(三苯基膦)氯化镍(II)	238-154-8	14264-16-5	
	Bis(diethylthiocarbamate-S,S')nickel 双(二乙基二硫代氨基甲酸-S,S')镍	238-157-4	14267-17-5	
	Nickel hydrogen phosphate 磷酸氢镍	238-278-2	14332-34-4	
	Bis(1-nitrosophthalen-2-olato-N1,O2)nickel 双(1-亚硝基-2-萘酚)镍	238-380-7	14406-66-7	
	Bis[bis(2-ethylhexyl)dithiocarbamate-S,S']nickel 双[双(2-乙基己基)二硫代氨基甲酸-S,S']镍	238-400-4	14428-08-1	
	Dinickel diphosphate 焦磷酸二镍	238-426-6	14448-18-1	
	Nickel bis(phosphinate) 双(次磷酸)镍	238-511-8	14507-36-9	
	(butylamine)[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-0,0',S]nickel (丁胺)[2,2'-硫代双[4-(1,1,3,3-四甲基丁基)苯酚]-0,0',S]镍	238-523-3	14516-71-3	
	Bis(6-methylheptane-2,4-dionato-0,0')nickel 双(6-甲基庚烷-2,4-二酮)镍	238-536-4	14522-99-7	
	Nickel dibromate 溴酸镍	238-596-1	14550-87-9	
	Nickel bis(tetrafluoroborate) 双(四氟硼酸)镍	238-753-4	14708-14-6	
	Nickel chromate 铬酸镍	238-766-5	14721-18-7	
	Dinickel hexacyanoferrate 六氰合铁酸二镍	238-946-3	14874-78-3	
	Bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato-0,0')nickel 双(1,1,1,5,5,5-六氟戊烷-2,4-二酮)镍	239-028-5	14949-69-0	
	Nickel acetate 乙酸镍	239-086-1	14998-37-9	
	Nickel selenate 硒酸镍	239-125-2	15060-62-5	
	Bis(diisobutylthiocarbamate)nickel 双(二异丁基二硫代氨基甲酸)镍	239-354-8	15317-78-9	
	Nickel bis(dimethylthiocarbamate) 双(二甲基二硫代氨基甲酸)镍	239-560-8	15521-65-0	
	Nickel dichromate 重铬酸镍	239-646-5	15586-38-6	
	Diammonium nickel bis(sulphate) 硫酸氢镍二铵	239-793-5	15699-18-0	
	Hexakis(1H-imidazole-N3)nickel(2+) dichloride 六(1H-咪唑-N3)镍(2+) 二氯化物	239-841-5	15751-00-5	
	Nickel triuranium decaoxide 十氧化三铀镍	239-876-6	15780-33-3	
	Formic acid, nickel salt 甲酸镍	239-946-6	15843-02-4	
	Bis[2-hydroxy-4-(octyloxy)benzophenonato]nickel 双[2-羟基-4-(辛氧基)二苯甲酮]镍	239-949-2	15843-91-1	
	Nickel tellurium trioxide 三氧化碲镍	239-967-0	15851-52-2	
	Nickel tellurium tetraoxide 四氧化碲镍	239-974-9	15852-21-8	
	Nickel(2+) trifluoroacetate 三氟乙酸镍(2+)	240-235-8	16083-14-0	
	[[2,2'-sulphonylbis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-01,01',02]nickel [2,2'-磺酰基双[4-(1,1,3,3-四甲基丁基)苯酚]-01,01',02]镍	240-485-8	16432-37-4	
	Nickel sulphide 硫化镍	240-841-2	16812-54-7	
	Nickel di(acetate) 二乙酸镍	206-761-7	373-02-4	
	Bis(η5-2,4-cyclopentadien-1-yl)nickel 双(η5-2,4-环戊二烯-1-基)镍	215-039-0	1271-28-9	
	Bis(1,5-cyclooctadiene)nickel 双(η5-2,4-环戊二烯-1-基)镍	215-072-0	1295-35-8	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Nickel monoxide 一氧化镍	215-215-7	1313-99-1	
	Nickel selenide 硒化镍	215-216-2	1314-05-2	
	Dinickel trioxide 三氧化二镍	215-217-8	1314-06-3	
	Nickel oxalate 草酸镍	208-933-7	547-67-1	
	Nickel dibenzoate 二苯甲酸镍	209-046-8	553-71-9	
	Nickel dicyanide 二氰化镍	209-160-8	557-19-7	
	Bis(pentane-2,4-dionato-0,0')nickel 双(戊烷-2,4-二酮)镍	221-875-7	3264-82-2	
	Nickel carbonate 碳酸镍	222-068-2	3333-67-3	
	Nickel diformate 二甲酸镍	222-101-0	3349-06-2	
	Nickel(2+) propionate 丙酸镍(2+)	222-102-6	3349-08-4	
	Nickel bis(4-cyclohexylbutyrate) 双(4-环己基丁酸)镍	223-463-2	3906-55-6	
	Nickel bis(2-ethylhexanoate) 双(2-乙基己酸)镍	224-699-9	4454-16-4	
	Nickel(2+) octanoate 辛酸镍(2+)	225-686-7	4996-91-9	
	Trinickel dicitrate 三柠檬酸三镍	227-873-2	6018-92-4	
	Nickel(II) fumarate 富马酸镍(II)	228-501-1	6283-67-6	
	Nickel(2+) stearate 硬脂酸镍(2+)	218-744-1	2223-95-2	
	Dichromium nickel tetraoxide 四氧化二铬镍	234-636-7	12018-18-7	
	Nickel, compound with niobium (1:1) 镍镍合金(1:1)	234-807-6	12034-55-8	
	Nickel dioxide 二氧化镍	234-823-3	12035-36-8	
	Nickel tin trioxide 三氧化锡镍	234-824-9	12035-38-0	
	Nickel titanium trioxide 三氧化钛镍	234-825-4	12035-39-1	
	Antimony, compound with nickel (1:1) 锡镍合金(1:1)	234-827-5	12035-52-8	
	Dinickel phosphide 磷化二镍	234-828-0	12035-64-2	
	Trinickel disulphide 二硫化三镍	234-829-6	12035-72-2	
	Nickel dihydroxide 氢氧化镍	235-008-5	12054-48-7	
	Dinickel silicide 硅化二镍	235-033-1	12059-14-2	
	Nickel, compound with tin (3:1) 锡镍合金(3:1)	235-034-7	12059-23-3	
	Nickel diarsenide 二砷化镍	235-103-1	12068-61-0	
	Nickel telluride 碲化镍	235-260-6	12142-88-0	
	Nickel, compound with zirconium (1:2) 锆镍合金(1:2)	235-261-1	12142-92-6	
	Diiron nickel tetraoxide 四氧化二铁镍	235-335-3	12168-54-6	
	Di-μ-carboxylbis(η5-2,4-cyclopentadien-1-yl)dinickel 二-μ-羧基双(η5-2,4-环戊二烯-1-基)二镍	235-339-5	12170-92-2	
	Dysprosium, compound with nickel (1:2) 镨镍合金(1:2)	235-341-6	12175-27-8	
	Lanthanum, compound with nickel (1:5) 镧镍合金(1:5)	235-372-5	12196-72-4	
	Nickel disilicide 二硅化镍	235-379-3	12201-89-7	
	Trinickel bis[tetracosyl-μ-oxododecaoxo[μ12-[phosphato(3-)-0:0:0:0':0':0':0':0':0':0':0':0':0':0':0':0':0':0':0':0':0':0']dodecamolybdate(3-)] 十二钼磷酸三镍(复杂化合物,保留结构描述)	235-531-9	12263-13-7	
	Antimony, compound with nickel (1:3) 锡镍合金(1:3)	235-676-8	12503-49-0	
	Trihydrogen hydroxybis[orthosilicato(4-)]trinickelate(3-) 三氢羟基双[原硅酸(4-)]三镍酸(3-)	235-688-3	12519-85-6	
	[carbonato(2-)]tetrahydroxytrinickel [碳酸(2-)]四羟基三镍	235-715-9	12607-70-4	
	Nickel titanium oxide 钛酸镍	235-752-0	12653-76-8	
	Bismuth, compound with nickel (1:1) 铋镍合金(1:1)	235-773-5	12688-64-1	
	Bis(1-nitroso-2-naphtholato)nickel 双(1-亚硝基-2-萘酚)镍	235-829-9	12794-26-2	
	Nickel(2+) oleate 油酸镍(2+)	235-832-5	13001-15-5	
	2-ethylhexanoic acid, nickel salt 2-乙基己酸镍	231-480-1	7580-31-6	
	Nickel dichloride 二氯化镍	231-743-0	7718-54-9	
	Nickel(2+) sulphite 亚硫酸镍(2+)	231-827-7	7757-95-1	
	Nickel sulphate 硫酸镍	232-104-9	7786-81-4	
	Antimony nickel titanium oxide yellow 锡镍钛黄氧化物	232-353-3	8007-18-9	
	Nickel difluoride 氟化镍	233-071-3	10028-18-9	
	Nickel(2+) selenite 亚硒酸镍(2+)	233-263-7	10101-96-9	
	Trinickel bis(orthophosphate) 磷酸三镍	233-844-5	10381-36-9	
	Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-0,0')nickel 双(4-苯甲酰-2,4-二氢-5-甲基-2-苯基-3H-吡唑-3-酮)镍	274-027-3	69524-96-5	
	Nickel zirconium trioxide 三氧化锆镍	274-755-1	70692-93-2	
	Bis(5-oxo-L-prolinato-N1,O2)nickel 双(5-氧代-L-脯氨酸)镍	274-912-4	70824-02-1	
	Bis(3-amino-4,5,6,7-tetrachloro-1H-isoindol-1-one oximate-N2,O1)nickel 双(3-氨基-4,5,6,7-四氯-1H-异吲唑-1-酮)镍	274-916-6	70833-37-3	
	Trisodium [2,2'-(1,3'-(5-chloro-2,6-difluoro-4-pyrimidinyl)amino)phenyl]amino]sulphonyl]-29H,31H-phthalocyanine-1,8,15-trisulphonato(5-)-N29,N30,N31,N32]nickelate(3-) 三钠 [2,2'-(1,3'-(5-氯-2,6-二氟-4-嘧啶基)氨基)苯基]氨基]磺酰基]-29H,31H-酞菁-1,8,15-三磺酸根(3-)镍酸盐	275-295-4	71243-96-4	
	Nickel iron chromite black spinel 镍铁铬黑尖晶石	275-738-1	71631-15-7	
	Ethyl hydrogen sulphate, nickel(2+) salt 硫酸氢乙酯镍(2+)盐	275-897-7	71720-48-4	
	Nickel uranyl tetraacetate, of uranium depleted in uranium-235 四乙酸铀酸镍(贫铀-235)	275-994-4	71767-12-9	
	[μ-(piperazine-N1:N4)]bis[3-[1-[4,5,6,7-tetrachloro-1-oxo-1H-isoindol-3-yl]hydrazono]ethyl]quinoline-2,4(1H,3H)-dionato(2-)]dinickel [μ-(哌嗪-N1:N4)]双[3-[1-[4,5,6,7-四氯-1-氧代-1H-异吲唑-3-基]肼]乙基]喹啉-2,4(1H,3H)-二酮]二镍	276-168-6	71889-22-0	
	Bis(0-gluconato-01,02)nickel 双(0-葡萄糖酸)镍	276-205-6	71957-07-8	
	Dihydrogen hexasodium bis[3-[(2-amino-8-hydroxy-6-sulpho-1-naphthyl)azo]-2-hydroxy-5-sulphobenzoato(5-)]nickelate(8-) 六钠双[3-[(2-氨基-8-羟基-6-磺基-1-萘基)偶氮]-2-羟基-5-磺基苯甲酸(5-)]镍酸(8-)	276-364-1	72139-08-3	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Nickelate(6-), [22-[[[3-[4,5-dihydro-3-methyl-5-oxo-1-[3-sulfo-4-[2-[2-sulfo-4-[2,5,6-trichloro-4-pyrimidinyl)amino]phenyl]ethenyl]phenyl]-1H-pyrazol-4-yl]azo]-4-sulfonyl]amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(8-)-N29,N30,N31,N32]-, hexasodium, (SP-4-2)- 镍酸(6-), [22-[[[3-[4,5-二氢-3-甲基-5-氧代-1-[3-磺基-4-[2-[2-磺基-4-(2,5,6-三氯-4-嘧啶基)氨基]苯基]乙炔基]苯基]-1H-吡唑-4-基]偶氮]-4-磺基苯基]氨基]磺酰基]-29H,31H-酞菁-1,8,15-三磺酸(8-)-N29,N30,N31,N32]-, 六钠	276-399-2	72152-45-5	
	Trisodium [[[[3-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]phenyl]amino]sulphonyl]tris(aminosulphonyl)-29H,31H-phthalocyaninetrisulphonato(5-)-N29,N30,N31,N32]nickelate(3-) 三钠 [[[[3-[(4-氨基-6-氯-1,3,5-三嗪-2-基)氨基]苯基]氨基]磺酰基]三(氨基磺酰基)-29H,31H-酞菁三磺酸(5-)-N29,N30,N31,N32]镍酸(3-)	276-491-2	72229-81-3	
	Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, [[3-[(1,3-dioxobutyl)amino]phenyl]amino]sulfonyl derivs. 镍, [29H,31H-酞菁(2-)-N29,N30,N31,N32]-, [[3-[(1,3-二氧代丁基)氨基]苯基]氨基]磺酰基衍生物	276-877-0	72828-53-6	
	[N,N',N'',N'''-tetrakis[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyaninetetrasulphonamidato(2-)-N29,N30,N31,N32]nickel [N,N',N'',N'''-四[4-(4,5-二氢-3-甲基-5-氧代-1H-吡唑-1-基)苯基]-29H,31H-酞菁四磺酰胺(2-)-N29,N30,N31,N32]镍	277-174-1	72986-45-9	
	nickelium oxide (NiO2), white form, with nickel oxide (NiO) and titanium oxide (TiO2) 氧化镍(IV),白色形式,与氧化镍(NiO)和氧化钛(TiO2)	277-627-3	73892-02-1	
	Bis[N-(2-hydroxyethyl)-N-methylglycinate-N,O]nickel 双[N-(2-羟乙基)-N-甲基甘氨酸]镍	278-504-7	76825-10-0	
	Tetrahydrogen [[[(3-amino-4-sulphophenyl)amino]sulphonyl]-29H,31H-phthalocyaninetrisulphonato(6-)-N29,N30,N31,N32]nickelate(4-) 四氢 [[[(3-氨基-4-磺基苯基)氨基]磺酰基]-29H,31H-酞菁三磺酸(6-)-N29,N30,N31,N32]镍酸(4-)	279-060-7	79102-62-8	
	Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-0,0')(2,2,4,4-tetramethyl-7-oxa-3,20-diazadipiro[5.1.11.2]heneicosan-21-one-021)nickel 双(4-苯甲酰-2,4-二氢-5-甲基-2-苯基-3H-吡唑-3-酮)(2,2,4,4-四甲基-7-氧杂-3,20-二氮杂二螺[5.1.11.2]二十一烷-21-酮)镍	279-067-5	79121-51-0	
	Trisodium [5-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-3-[2-(2-hydroxy-3-nitro-5-sulphophenyl)azo]naphthalene-2,7-disulphonato(5-)]nickelate(3-) 三钠 [5-[(4,5-二氢-3-甲基-5-氧代-1-苯基-1H-吡唑-4-基)偶氮]-4-羟基-3-[2-(2-羟基-3-硝基-5-磺基苯基)偶氮]萘-2,7-二磺酸(5-)]镍酸(3-)	279-314-7	79817-91-7	
	Dimethoxy[29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]nickel 二甲氧基[29H,31H-酞菁(2-)-N29,N30,N31,N32]镍	281-282-4	83898-70-8	
	Nickel, C5-23-branched carboxylate naphthenate complexes 镍, C5-23支链羧酸环烷酸络合物	295-925-1	92200-98-1	
	Nickel, C5-25-branched carboxylate naphthenate octanoate complexes 镍, C5-25支链羧酸环烷酸辛酸络合物	295-926-7	92200-99-2	
	Nickel, borate neodecanoate complexes 镍, 硼酸新癸酸络合物	296-343-0	92502-55-1	
	Nickel, C5-23-branched carboxylate C4-10-fatty acids naphthenate complexes 镍, C5-23支链羧酸 C4-10脂肪酸环烷酸络合物	297-548-8	93573-14-9	
	Nickel, C4-10 fatty acids naphthenate complexes 镍, C4-10脂肪酸环烷酸络合物	297-549-3	93573-15-0	
	Nickel, C4-10 fatty acids octanoate complexes 镍, C4-10脂肪酸辛酸络合物	297-550-9	93573-16-1	
	Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2-[4-(aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, potassium sodium salts, compds. with pyridine 镍, [29H,31H-酞菁(2-)-N29,N30,N31,N32]-, 氯磺酰基衍生物, 与2-[4-(氨基苯基)磺酰基]乙基硫酸氢钠单钠盐、钾钠盐、吡啶化合物的反应产物	297-551-4	93573-17-2	
	Nickel, C5-23-branched carboxylate C4-10 fatty acids complexes 镍, C5-23支链羧酸 C4-10脂肪酸络合物	297-774-7	93762-59-5	
	Citric acid, ammonium nickel salt 柠檬酸铵镍	242-161-1	18283-82-4	
	Dicarbonylbis(triphenylphosphine)nickel 二羰基双(三苯基膦)镍	235-851-9	13007-90-4	
	Nickel dinitrate 硝酸镍	236-068-5	13138-45-9	
	Nickel dibromide 二溴化镍	236-665-0	13462-88-9	
	Nickel diiodide 二碘化镍	236-666-6	13462-90-3	
	Tetracarbonylnickel 四羰基镍	236-669-2	13463-39-3	
	Trinickel bis(arsenate) 砷酸三镍	236-771-7	13477-70-8	
	Bis(butanedione dioximato)nickel 双(丁二酮二脒)镍	236-782-7	13478-93-8	
	Nickel diperchlorate 高氯酸镍	237-124-1	13637-71-3	
	Nickel(2+) palmitate 棕榈酸镍(2+)	237-138-8	13654-40-5	
	Nickel dithiocyanate 硫氰酸镍	237-205-1	13689-92-4	
	Nickel bis(sulphamide) 双(氨基磺酸)镍	237-396-1	13770-89-3	
	Dinickel orthosilicate 原硅酸二镍	237-411-1	13775-54-7	
	Nickel dipotassium bis(sulphate) 硫酸镍二钾	237-563-9	13842-46-1	
	Dipotassium tetrafluoronickelate(2-) 四氟合镍(II)酸二钾	237-595-3	13859-60-4	
	Tetrakis(trifluorophosphine)nickel 四(三氟膦)镍	237-597-4	13859-65-9	
	[N-(carboxymethyl)glycinate(2-)-N,O,O']nickel [N-(羧甲基)甘氨酸(2-)-N,O,O']镍	237-618-7	13869-33-5	
	Hexamminenickel(2+) bis[tetrafluoroborate(1-)] 六氨合镍(2+) 双[四氟硼酸(1-)]	237-638-6	13877-20-8	
	Nickel bis(dibutylthiocarbamate) 双(二丁基二硫代氨基甲酸)镍	237-696-2	13927-77-0	
	Disodium tetracyanonickelate(2-) 四氰合镍(II)酸二钠	237-877-6	14038-85-8	
	[29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]nickel [29H,31H-酞菁(2-)-N29,N30,N31,N32]镍	237-893-3	14055-02-8	

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	Nickel hexafluorozirconate (2-) 六氟合锆(IV)酸镍(2+)	250-370-4	30868-55-4	
	Nickel (2+) diethyl bis[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]phosphonate] 镍(2+) 二乙基 双[[[3,5-双(1,1-二甲甲基)-4-羟基苯基]甲基]膦酸酯]	250-401-1	30947-30-9	
	Nickel silicate(3:4) 硅酸镍(3:4)	250-788-7	31748-25-1	
	[[2,2'-thiobis[3-octylphenolato]](2-)-0,0',S]nickel [2,2'-硫代双[3-辛基苯酚]-0,0',S]镍	251-715-1	33882-09-6	
	Hydrogen [N,N-bis(carboxymethyl)glycinato(3-)-N,0,0',0'']nickelate(1-) 氢 [N,N-双(羧甲基)甘氨酸(3-)-N,0,0',0'']镍酸(1-)	252-235-5	34831-03-3	
	Tetrakis(tritoyl phosphite)nickel 四(三甲苯基亚膦酸酯)镍	252-777-2	35884-66-3	
	Nickel bisphosphinate 双(次膦酸)镍	252-840-4	36026-88-7	
	Bis(dipentylthiocarbamato-S,S')nickel 双(二戊基二硫代氨基甲酸-S,S')镍	252-937-1	36259-37-7	
	Nickel chloride 氯化镍	253-399-0	37211-05-5	
	Sillicic acid, nickel salt 硅酸镍	253-461-7	37321-15-6	
	Bis[1-[4-(dimethylamino)phenyl]-2-phenylethylene-1,2-dithiolato(2-)-S,S']nickel 双[1-[4-(二甲氨基)苯基]-2-苯基乙烯-1,2-二硫醇(2-)-S,S']镍	253-958-9	38465-55-3	
	Tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)nickel(2+) dinitrate 三(4,7-二苯基-1,10-菲咯啉-N1,N10)镍(2+) 二硝酸盐	254-127-3	38780-90-4	
	Bis[2-butene-2,3-dithiolato(2-)-S,S']nickel 双[2-丁烯-2,3-二硫醇(2-)-S,S']镍	254-210-4	38951-94-9	
	Bis[4,4'-dimethoxy- α , α' -stilbenedithiolato(2-)]nickel 双[4,4'-二甲氧基- α , α' -芪二硫醇(2-)]镍	254-212-5	38951-97-2	
	Dipotassium tris(cyano-C)nickelate(2-) 三(氰基-C)镍(II)酸二钾	254-261-2	39049-81-5	
	Nickel bis(benzenesulphonate) 双(苯磺酸)镍	254-642-3	39819-65-3	
	Nickel bis(piperidine-1-carbodithioate) 双(哌啶-1-碳二硫代酸)镍	255-387-0	41476-75-9	
	Nickel bis(dihydrogen phosphate) 双(磷酸二氢)镍	242-522-3	18718-11-1	
	Nickel(2+) hydrogen citrate 氢柠檬酸镍(2+)	242-533-3	18721-51-2	
	[[1,1'-[1,2-phenylenebis(nitrimethylidene)]bis[2-naphtholato]](2-)-N,N',0,0']nickel [1,1'-[1,2-亚苯基双(硝基甲基亚基)]双[2-萘酚]-N,N',0,0']镍	243-820-6	20437-10-9	
	Oxalic acid, nickel salt 草酸镍	243-867-2	20543-06-0	
	Bis(ethane-1,2-diamine)nickel(2+) sulphate 双(乙二胺)镍(2+) 硫酸盐	244-300-1	21264-77-7	
	Nickel(2+) silicate 硅酸镍(2+)	244-578-4	21784-78-1	
	[μ -[[[1,1',1'',1''']benzene-1,2,4,5-tetrayltetrakis(nitromethylidene)]naphth-2-olato(4-)]dinickel [μ -[1,1',1'',1''']-苯-1,2,4,5-四基四(硝基甲基亚基)萘-2-醇]]二镍	245-028-6	22484-07-7	
	Citric acid, nickel salt 柠檬酸镍	245-119-0	22605-92-1	
	Ammonium nickel trichloride 三氯化镍铵	246-378-2	24640-21-9	
	Dihydrogen [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',0,0',ON,ON]nickelate(2-) 二氢 [N,N'-亚乙基双[N-(羧甲基)甘氨酸]-N,N',0,0',ON,ON]镍酸(2-)	247-019-2	25481-21-4	
	Nickel hexafluorosilicate 六氟硅酸镍	247-430-7	26043-11-8	
	Nickel arsenide 砷化镍	248-169-1	27016-75-7	
	[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-0,0',S]nickel [2,2'-硫代双[4-(1,1,3,3-四甲基丁基)苯酚]-0,0',S]镍	248-536-6	27574-34-1	
	Nickel isooctanoate 异辛酸镍	248-585-3	27637-46-3	
	[29H,31H-phthalocyaninetetrasulphonyl tetrachloridato(2-)-N29,N30,N31,N32]nickel [29H,31H-卟吩四磺酰四氯化物(2-)-N29,N30,N31,N32]镍	249-155-8	28680-76-4	
	Bis[stilbene- α , β -dithiolato(2-)]nickel 双[芪- α , β -二硫醇(2-)]镍	249-353-4	28984-20-5	
	Bis[2,3-bis(hydroxyimino)-N-phenylbutyramidato-N2,N3]nickel 双[2,3-双(羟基亚氨基)-N-苯基丁酰胺]镍	249-503-9	29204-84-0	
	Nickel(II) isooctanoate 异辛酸镍(II)	249-555-2	29317-63-3	
	Bis(ethylenediamine-N,N')copper tetrakis(cyano-C)nickelate 双(乙二胺-N,N')铜 四(氰基-C)镍酸盐	264-136-4	63427-32-7	
	Tetrapotassium [[nitrioltris(methylene)]tris[phosphonato]](6-)]nickelate(4-) 四钾 [[次氨基三(亚甲基)]三[膦酸]]镍酸(4-)	264-338-2	63588-33-0	
	Tripotassium [N,N-bis(phosphonomethyl)glycinato(5-)]nickelate(3-) 三钾 [N,N-双(膦酸甲基)甘氨酸(5-)]镍酸(3-)	264-360-2	63597-34-2	
	Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,0,0',0'']nickelate(1-) 钾 [N,N-双(羧甲基)甘氨酸(3-)-N,0,0',0'']镍酸(1-)	264-377-5	63640-18-6	
	[2,3'-bis[[2-hydroxyphenyl)methylene]amino]but-2-enedinitrilato(2-)-N2,N3,02,03]nickel [2,3'-双[[2-羟基苯基]亚甲基]氨基]丁-2-烯二腈(2-)-N2,N3,02,03]镍	265-022-7	64696-98-6	
	[μ -[carbonato(2-)-0:0']dihydroxydinickel [μ -[碳酸(2-)-0:0']]二羟基二镍	265-748-4	65405-96-1	
	(propan-2-ol)[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-0,0',S]nickel (异丙醇)[2,2'-硫代双[4-(1,1,3,3-四甲基丁基)苯酚]-0,0',S]镍	267-045-8	67763-27-3	
	Potassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',0,0',ON,ON]nickelate(1-) 钾 [N,N'-亚乙基双[N-(羧甲基)甘氨酸]-N,N',0,0',ON,ON]镍酸(1-)	267-686-3	67906-12-1	
	Nickel(2+) dihydrogen bis[R-(R*,R*)]-tartrate 镍(2+) 二氢 双[R-(R*,R*)]-酒石酸盐	267-894-4	67952-41-4	
	Nickel dichlorate 氯酸镍	267-897-0	67952-43-6	
	Nickel(2+) glycerol phosphate 甘油磷酸镍(2+)	267-923-0	67952-69-6	

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	Triammonium hydrogen [[[[nitri]tris(methylene)]tris[phosphonato]](6-)]nickelate(4-) 三铵 氮 [[次氨基三(亚甲基)三[磷酸]]镍酸(4-)]	267-961-8	67968-22-3	
	Cobalt dimolybdenum nickel octaoxide 八氧化钴二钼镍	268-169-5	68016-03-5	
	Diammonium nickel bis(hydrogen citrate) 二铵 镍 双(氢柠檬酸盐)	268-176-3	68025-13-8	
	Triammonium [N,N-bis(phosphonomethyl)glycinato(5-)]nickelate(3-) 三铵 [N,N-双(膦酰甲基)甘氨酸(5-)]镍酸(3-)]	268-195-7	68025-40-1	
	Trisodium [N,N-bis(phosphonomethyl)glycinato(5-)]nickelate(3-) 三钠 [N,N-双(膦酰甲基)甘氨酸(5-)]镍酸(3-)]	268-196-2	68025-41-2	
	Tetrasodium [[[[nitri]tris(methylene)]tris[phosphonato]](6-)-N,0,0',0''nickelate(4-)] 四钠 [[次氨基三(亚甲基)三[磷酸]-N,0,0',0'' 镍酸(4-)]	268-296-6	68052-00-6	
	Molybdenum nickel hydroxide oxide phosphate 氢氧化镍钼磷酸盐	268-585-7	68130-36-9	
	[(2-amino-2-oxoethoxy)acetato(2-)]nickel [(2-氨基-2-氧代乙氧基)乙酸(2-)]镍	268-711-0	68133-84-6	
	Formic acid, copper nickel salt 甲酸铜镍盐	268-755-0	68134-59-8	
	Cobalt titanite green spinel 钴钛绿尖晶石	269-047-4	68186-85-6	
	Cobalt nickel gray periclase 钴镍灰方晶石	269-051-6	68186-89-0	
	Nickel ferrite brown spinel 镍铁棕尖晶石	269-071-5	68187-10-0	
	Tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)nickel(2+) bis[tetrafluoroborate(1-)] 三(4,7-二苯基-1,10-菲咯啉-N1,N10)镍(2+) 双[四氟硼酸(1-)]	269-684-8	68309-97-7	
	Resin acids and Rosin acids, nickel salts 树脂酸和松香酸镍盐	269-826-9	68334-36-1	
	2,3-dihydroxypropyl (dihydrogen phosphate), nickel salt (1:1) 2,3-二羟基丙基(磷酸二氢)镍盐(1:1)	269-946-1	68391-37-7	
	Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfo [[4-[[2-(sulfooxy)methyl]sulfonyl]phenyl]amino]sulfonyl derivs. 镍, [29H,31H-卟啉青(2-)-N29,N30,N31,N32]-, 磺基[[4-[[2-(磺酰氧基)甲基]磺酰基]氨基]磺酰衍生物	270-174-2	68412-18-0	
	Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes 镍, 5,5'-偶氮双-2,4,6(1H,3H,5H)-嘧啶三酮络合物	270-944-8	68511-62-6	
	Zinc sulfide (ZnS), nickel and silver-doped 硫化锌 (ZnS), 掺杂镍和银	270-961-0	68512-22-1	
	Olivine, nickel green 橄榄石, 镍绿	271-112-7	68515-84-4	
	Bis[2,3-bis(hydroxyimino)-N-(2-methoxyphenyl)butyramido]nickel 双[2,3-双(羟基亚氨基)-N-(2-甲氧基苯基)丁酰胺]镍	255-924-9	42739-61-7	
	[1,3-dihydro-5,6-bis[[2-(hydroxy-1-naphthyl)methylene]amino]-2H-benzimidazol-2-onato(2-)-N5,N6,O5,O6]nickel [1,3-二氢-5,6-双[[2-(2-羟基-1-萘基)亚甲基]氨基]-2H-苯并咪唑-2-酮(2-)-N5,N6,O5,O6]镍	255-965-2	42844-93-9	
	[[2,2'-(4,8-dichlorobenzene-1,2-d:4,5-d')bisoxazole-2,6-diyl]bis[4,6-dichlorophenolato]](2-)]nickel [[2,2'-(4,8-二氯苯并[1,2-d:4,5-d']双噁唑-2,6-二基)双[4,6-二氯苯酚]]镍	256-331-8	47726-62-5	
	Nickel acrylate 丙烯酸镍	257-066-0	51222-18-5	
	Neodecanoic acid, nickel salt 新癸酸镍	257-447-1	51818-56-5	
	Copper, compound with lanthanum and nickel (4:1:1) 铜, 与镧和镍的合金 (4:1:1)	257-510-3	51912-52-8	
	Bis[3-(4-chlorophenyl)azo]quinoline-2,4(1H,3H)-dionato]nickel 双[3-(4-氯苯基)偶氮]喹啉-2,4(1H,3H)-二酮]镍	257-521-3	51931-46-5	
	Nickel [R(R',R'')-tartrate 镍 [R(R',R'')-酒石酸盐	257-610-7	52022-10-3	
	Bis(2-hydroxyethyl)dithiocarbamato-S,S']nickel 双[(2-羟乙基)二硫代氨基甲酸-S,S']镍	257-953-2	52486-98-3	
	Bis[bis(2-hydroxyethyl)dithiocarbamato-S,S']nickel 双[双(2-羟乙基)二硫代氨基甲酸-S,S']镍	257-954-8	52486-99-4	
	Nickel(2+) methacrylate 甲基丙烯酸镍(2+)	257-963-7	52496-91-0	
	Nickel divanadium hexaoxide 六氧化二钒镍	257-970-5	52502-12-2	
	Bis(diethylthiocarbamato-S,S')nickel 双(二乙基二硫代氨基甲酸-S,S')镍	258-044-3	52610-81-8	
	Nickel 3,5-bis(tert-butyl-4-hydroxybenzoate (1:2)) 镍 3,5-双(叔丁基-4-羟基苯甲酸)盐(1:2)	258-051-1	52625-25-9	
	Bis[2,4-dihydro-5-methyl-4-(1-oxodecyl)-2-phenyl-3H-pyrazol-3-onato-0,0']nickel 双[2,4-二氢-5-甲基-4-(1-氧癸基)-2-苯基-3H-吡唑-3-酮]镍	260-258-7	56557-00-7	
	Cobalt nickel dioxide 二氧化钴镍	261-346-8	58591-45-0	
	Nickel(2+) acrylate 丙烯酸镍(2+)	262-383-2	60700-37-0	
	Hydrogen [3,4-bis[[2-(hydroxy-1-naphthyl)methylene]amino]benzoato(3-)-N3,N4,O3,O4]nickelate(1-) 氢 [3,4-双[[2-(2-羟基-1-萘基)亚甲基]氨基]苯甲酸(3-)-N3,N4,O3,O4]镍酸(1-)]	262-703-0	61300-98-9	
	Nickel, 3-[[4-(chlorophenyl)azo]-4-hydroxy-2(1H)-quinolinone complex 镍, 3-[[4-(氯苯基)偶氮]-4-羟基-2(1H)-喹啉酮络合物	262-934-7	61725-51-7	
	Naphthenic acids, nickel salts 环烷酸镍	263-000-1	61788-71-4	
	Leach residues, nickel-vanadium ore 浸出残渣, 镍钒矿	282-214-6	84144-92-3	
	Bis[di(3,5,5-trimethylhexyl)dithiocarbamato-S,S']nickel 双[[二(3,5,5-三甲基己基)二硫代氨基甲酸-S,S']镍	283-380-2	84604-95-5	
	Fatty acids, C8-18 and C18-unsatd., nickel salts 脂肪酸, C8-18 和 C18-不饱和, 镍盐	283-972-0	84776-45-4	
	(isooctanoato-0) (neodecanoato-0) nickel (异辛酸-0) (新癸酸-0) 镍	284-347-5	84852-35-7	
	(isodcanoato-0) (isononanoato-0) nickel (异癸酸-0) (异壬酸-0) 镍	284-348-0	84852-36-8	
	Nickel bis(isononanoate) 双(异壬酸)镍	284-349-6	84852-37-9	
	(2-ethylhexanoato-0) (isooctanoato-0) nickel (2-乙基己酸-0) (异辛酸-0) 镍	284-350-1	84852-38-0	
	(2-ethylhexanoato-0) (isodcanoato-0) nickel (2-乙基己酸-0) (异癸酸-0) 镍	284-351-7	84852-39-1	
	Bis(5-oxo-DL-prolinoato-N1,O2)nickel 双(5-氧代-DL-脯氨酸)镍	285-069-7	85026-81-9	
	(2-ethylhexanoato-0) (neodecanoato-0) nickel (2-乙基己酸-0) (新癸酸-0) 镍	285-698-7	85135-77-9	
	(isodcanoato-0) (isooctanoato-0) nickel (异癸酸-0) (异辛酸-0) 镍	285-909-2	85166-19-4	
	Bis[N-(2,4-dimethoxyphenyl)-2,3-bis(hydroxyimino)butyramido-N2,N3]nickel 双 [N-(2,4-二甲氧基苯基)-2,3-双(羟基亚氨基)丁酰胺]镍	286-563-5	85269-39-2	

- Shall not be used:
 - 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);
 - in articles intended to come into direct and prolonged contact with the skin such as:
 - earrings,
 - 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.
 - 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 0.5 µg/cm²/week for a period of at least two years of normal use of the article.
 - 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.
 - 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.
- 不得用于以下情况:
 - 任何插入耳部及人体其他穿孔部位的穿孔部件组合, 除非其镍释放率小于 0.2 微克/平方厘米/周 (迁移限值);
 - 预期与皮肤直接及长期接触的物品, 例如:
 - 耳环,
 - 项链、手链和链饰、脚链、戒指,
 - 腕表表壳、表带和表扣,
 - 服装上的铆钉纽扣、扣件、铆钉、拉链及金属标识,
 若这些制品中与皮肤直接及长期接触部分的镍释放率超过 0.5 微克/平方厘米/周。
 - 第(b)项所述的物品, 若其带有非镍镀层, 则该镀层必须足以确保在至少两年的正常使用期内, 制品中与皮肤直接及长期接触部分的镍释放率不超过 0.5 微克/平方厘米/周。
 - 第1款所涉及的物品, 若不符合该款的要求, 不得投放市场。
 - 欧洲标准化委员会 (CEN) 采用的标准, 应用作证明制品符合第1款和第2款要求的测试方法。

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Nickel, 2,2'-thiobis[4-nonylphenol] complexes 镍, 2,2'-硫代双[4-壬基苯酚]络合物	287-356-2	85480-75-7	
	(isodecanoato-0) (neodecanoato-0)nickel (异癸酸-0)(新癸酸-0)镍	287-467-6	85508-42-5	
	Nickel (II) isodecanoate 异癸酸镍(II)	287-468-1	85508-43-6	
	Nickel (2+) neodecanoate 新癸酸镍(2+)	287-469-7	85508-44-7	
	(2-ethylhexanoato-0) (isononanoato-0)nickel (2-乙基己酸-0)(异壬酸-0)镍	287-470-2	85508-45-8	
	(isononanoato-0) (isooctanoato-0)nickel (异壬酸-0)(异辛酸-0)镍	287-471-8	85508-46-9	
	(isononanoato-0) (neodecanoato-0)nickel (异壬酸-0)(新癸酸-0)镍	287-592-6	85551-28-6	
	Nickel, isodecanoate naphthenate complexes 镍, 异癸酸环烷酸络合物	287-800-5	85585-97-3	
	Nickel, isononanoate naphthenate complexes 镍, 异壬酸环烷酸络合物	287-801-0	85585-98-4	
	Nickel, naphthenate neodecanoate complexes 镍, 环烷酸新癸酸络合物	287-802-6	85585-99-5	
	Bis(1H-1,2,4-triazole-3-sulphonato-N2,O3)nickel 双(1H-1,2,4-三唑-3-磺酸)镍	287-849-2	85586-46-5	
	[[3-[1-cyano-2-(methylamino)-2-oxoethylidene]-2,3-dihydro-1H-isoindol-1-ylidene](salicylic)hydrazidato(2-)]nickel [[3-[1-氰基-2-(甲基氨基)-2-氧代亚乙基]-2,3-二氢-1H-异吲哚-1-亚基]羧基]镍	288-967-7	85598-80-1	
	Zinc sulfide (ZnS), copper and nickel-doped 硫化锌 (ZnS), 掺杂铜和镍	271-601-5	68685-93-3	
	Resin acids and Rosin acids, calcium nickel salts 树脂酸和松香钙镍盐	271-764-2	68607-31-8	
	Nickel barium titanium primrose priderite 镍钡钛樱草黄普里德里石	271-853-6	68610-24-2	
	Nickel niobium titanium yellow rutile 镍钽钛黄金红石	271-892-9	68611-43-8	
	nickelate(6-), [4-[[[5-[[[3,6-dichloro-4-pyridazinyl]carbonyl]amino]-2-sulfo]phenyl]azo]-4,5-dihydro-5-oxo-1-[5-[[[trisulfo-29H,31H-phthalocyaninyl]sulfonyl]amino]-2-sulfo]phenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, hexahydrogen 镍酸(6-), [4-[[[5-[[[3,6-二氯-4-吡嗪基]羧基]-2-磺基苯基]偶氮]-4,5-二氢-5-氧代-1-[5-[[[三磺基-29H,31H-卟吩基]磺酰基]氨基]-2-磺基苯基]-1H-吡唑-3-羧酸(8-)-N29,N30,N31,N32]-, 六氢	272-095-9	68698-80-6	
	Hexamminenickel (2+) diformate 六氨合镍(2+) 二甲酸盐	272-149-1	68758-60-1	
	Zinc sulfide (ZnS), copper and nickel and silver-doped 硫化锌 (ZnS), 掺杂铜、镍和银	272-277-8	68784-84-9	
	Bis(2-heptadecyl-1H-imidazole-N3)bis(octanoato-0)nickel 双(2-十七烷基-1H-咪唑)双(辛酸)镍	272-799-6	68912-08-3	
	Pentaammonium hydrogen [[[ethylenbis[nitri]lobis(methylene)]]tetrakis[phosphonato]](8-)]nickelate(6-) 五铵 氮 [[亚乙基双[次氨基双(亚甲基)]]四[磷酸]]镍酸(6-)	273-375-3	68958-86-1	
	Hydrogen pentapotassium [[[ethylenbis[nitri]lobis(methylene)]]tetrakis[phosphonato]](8-)]nickelate(6-) 氢 五钾 [[亚乙基双[次氨基双(亚甲基)]]四[磷酸]]镍酸(6-)	273-376-9	68958-87-2	
	Hydrogen pentasodium [[[ethylenbis[nitri]lobis(methylene)]]tetrakis[phosphonato]](8-)]nickelate(6-) 氢 五钠 [[亚乙基双[次氨基双(亚甲基)]]四[磷酸]]镍酸(6-)	273-377-4	68958-88-3	
	Bis(ethane-1,2-diamine-N,N')nickel(2+) bis[bis(cyano-C)aurate(I-)] 双(乙二胺-N,N')镍(2+) 双[双(氰基-C)金酸(I-)]	273-379-5	68958-89-4	
	Nickel icosatitanium pentatriacontaoxide diwolframate 镍 二十钛三十五氧化物 二钨酸盐	273-686-4	69011-05-8	
	Slags, ferronickel-manufg. 炉渣, 镍铁制造	273-729-7	69012-29-9	
	Matte, nickel 冰铜, 镍	273-749-6	69012-50-6	
	Trinickel phosphide 磷化三镍	822-331-7	12059-19-7	
	Nickel, aqua[2-[2-[4,5-dihydro-3-methyl-5-(oxo-κO)-1H-pyrazol-4-yl]diazanyl-κNi]benzoato(2-)-κO]- 镍, 水合[2-[2-[4,5-二氢-3-甲基-5-(氧代-κO)-1H-吡唑-4-基]重氮-κNi]苯甲酸(2-)-κO]-	-	106316-55-6	
	Nickel, [29H,31H-phthalocyaninato(2-)-κN29,κN30,κN31,κN32]-, sulfo [[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]sulfonyl derivs., potassium sodium salts 镍, [29H,31H-卟吩(2-)-κN29,κN30,κN31,κN32]-, 磺基[[4-[[2-(磺酰氧基)乙基]磺酰基]苯基]氨基]磺酰衍生物, 钾钠盐	-	113894-88-5	
	Nickelate(6-), [4-[[2-[5-[[[3,6-dichloro-4-pyridazinyl]carbonyl]amino]-2-sulfo]phenyl]diazanyl]-4,5-dihydro-5-oxo-1-[5-[[[C,C,C-trisulfo-29H,31H-phthalocyanin-C-γ]]sulfonyl]amino]-2-sulfo]phenyl]-1H-pyrazole-3-carboxylato(8-)-κN29,κN30,κN31,κN32]-, sodium 镍酸(6-), [4-[[2-[5-[[[3,6-二氯-4-吡嗪基]羧基]-2-磺基苯基]重氮基]-4,5-二氢-5-氧代-1-[5-[[[C,C,C-三磺基-29H,31H-卟吩-C-γ]]磺酰基]氨基]-2-磺基苯基]-1H-吡唑-3-羧酸(8-)-κN29,κN30,κN31,κN32]-, 钠	-	113894-89-6	
	Nickel disulfide 二硫化镍	-	12035-50-6	
	Nickel silicide (NiSi) 硅化镍 (NiSi)	-	12035-57-3	
	Polydymite (Ni3S4) 辉镍矿 (Ni3S4)	-	12059-21-1	
	Nickel Black 镍黑	-	12125-56-3	
	Nickel oxide (Ni3O4) 氧化镍 (Ni3O4)	-	12137-09-6	
	Nickel, [carbonato(2-)]hexahydroxytetra- 镍, [碳酸(2-)]六羟基四-	-	12334-31-5	
	Nickel oxide (Ni2O) 氧化镍 (Ni2O)	-	12359-17-0	
	Nickel arsenide 砷化镍	-	12795-30-1	
	Nickelate(6-), [4-[[[5-[[[3,6-dichloro-4-pyridazinyl]carbonyl]amino]-2-sulfo]phenyl]azo]-4,5-dihydro-5-oxo-1-[2-sulfo-5-[[[trisulfo-29H,31H-phthalocyaninyl]sulfonyl]amino]phenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, hexasodium 镍酸(6-), [4-[[[5-[[[3,6-二氯-4-吡嗪基]羧基]-2-磺基苯基]偶氮]-4,5-二氢-5-氧代-1-[2-磺基-5-[[[三磺基-29H,31H-卟吩基]磺酰基]氨基]苯基]-1H-吡唑-3-羧酸(8-)-N29,N30,N31,N32]-, 六钠	299-467-3	93891-86-2	
	(neononanoato-0) (neoundecanoato-0)nickel (新壬酸-0)(新十一酸-0)镍	300-092-5	93920-08-2	
	Nickel (2+) neoundecanoate 新十一酸镍(2+)	300-093-0	93920-09-3	
	Nickel (2+) neononanoate 新壬酸镍(2+)	300-094-6	93920-10-6	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Tetrasodium [[[(3-amino-4-sulphophenyl)amino]sulphonyl]-29H, 31H-phthalocyaninetrisulphonato(6-)-N29, N30, N31, N32]nickelate(4-) 四钠 [[[(3-氨基-4-磺基苯基)氨基]磺酰基]-29H, 31H-酞菁三磺酸(6-)-N29, N30, N31, N32]镍酸(4-)	300-365-9	93939-76-5	
	Dimethylhexanoic acid, nickel salt 二甲基己酸镍	301-323-2	93983-68-7	
	Cobalt(2+) dinickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate] 钴(2+) 二镍(2+) 双[2-羟基丙烷-1,2,3-三羧酸]	303-972-7	94232-44-7	
	Dicobalt(2+) nickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate] 二钴(2+) 镍(2+) 双[2-羟基丙烷-1,2,3-三羧酸]	304-013-5	94232-84-5	
	Nickel, acetate carbonate C8-10-branched fatty acids C9-11-neofatty acids complexes 镍, 乙酸碳酸C8-10支链脂肪酸C9-11新脂肪酸络合物	291-673-1	90459-30-6	
	Nickel, borate C8-10-branched carboxylate complexes 镍, 硼酸C8-10支链羧酸络合物	291-674-7	90459-31-7	
	Nickel, C5-C23-branched carboxylate octanoate complexes 镍, C5-C23支链羧酸辛酸络合物	291-675-2	90459-32-8	
	Nickel, isoctanoate naphthenate complexes 镍, 异辛酸环烷酸络合物	291-676-8	90459-33-9	
	Nickel, acetylacetone 6-methyl-2,4-heptanedione complexes 镍, 乙酰丙酮 6-甲基-2,4-庚二酮络合物	291-677-3	90459-34-0	
	Nickel, [29H, 31H-phthalocyaninato(2-)-N29, N30, N31, N32]-, [[3-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]phenyl]amino]sulfonyl sulfo derivs., sodium salts 镍, [29H, 31H-酞菁(2-)-N29, N30, N31, N32]-, [[3-[(5-氯-2,6-二氟-4-嘧啶基)氨基]苯基]氨基]磺酰磺基衍生物, 钠盐	291-678-9	90459-35-1	
	Nickelate(4-), [bis[[[3-[[[4,5-dihydro-3-methyl-5-oxo-1-[4-[[2-(sulfoxy)ethyl]sulfonyl]phenyl]-1H-pyrazol-4-yl]azo]phenyl]amino]sulfonyl]-29H, 31H-phthalocyaninedisulphonato(6-)-N29, N30, N31, N32]-, sodium nickelate(4-), [双[[[3-[[[4,5-二氢-3-甲基-5-氧代-1-[4-[[2-(磺酰氧基)乙基]磺酰基]苯基]-1H-吡唑-4-基]偶氮]苯基]氨基]磺酰基]-29H, 31H-酞菁二磺酸(6-)-N29, N30, N31, N32]-, 钠	291-679-4	90459-36-2	
	Waste solids, chromium-nickel steel manuf. 废固, 铬镍钢制造	293-796-6	91082-81-4	
	Waste solids, nickel-manuf. 废固, 镍制造	293-799-2	91082-84-7	
	Fatty acids, C6-19-branched, nickel salts 脂肪酸, C6-19支链, 镍盐	294-302-1	91697-41-5	
	Nickel methacrylate 甲基丙烯酸镍	304-466-9	94275-78-2	
	Nickel, [29H, 31H-phthalocyaninato(2-)-N29, N30, N31, N32]-, chlorosulfonyl derivs., reaction products with 2-[4-(aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, potassium salts 镍, [29H, 31H-酞菁(2-)-N29, N30, N31, N32]-, 氯磺酰衍生物, 与2-[4-(氨基苯基)磺酰基]乙基硫酸氢钠单钠盐、钾盐的反应产物	305-643-3	94891-42-6	
	Nickel, [29H, 31H-phthalocyaninato(2-)-N29, N30, N31, N32]-, chlorosulfonyl derivs., reaction products with 2-[4-(aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, sodium salts 镍, [29H, 31H-酞菁(2-)-N29, N30, N31, N32]-, 氯磺酰衍生物, 与2-[4-(氨基苯基)磺酰基]乙基硫酸氢钠单钠盐、钠盐的反应产物	305-644-9	94891-43-7	
	Spinel, cobalt nickel zinc grey 尖晶石, 钴镍锌灰	305-835-7	95046-47-2	
	Tetrasodium [bis[[[4-[[2-(sulphoxy)ethyl]sulphonyl]phenyl]amino]sulphonyl]-29H, 31H-phthalocyaninedisulphonato(6-)-N29, N30, N31, N32]nickelate(4-) 四钠 [[[[4-[[2-(磺酰氧基)乙基]磺酰基]苯基]氨基]磺酰基]-29H, 31H-酞菁二磺酸(6-)-N29, N30, N31, N32]镍酸(4-)	306-462-2	97280-68-7	
	[N, N, N', N''-[29H, 31H-phthalocyaninetriyltris(sulphonylimino-3,1-phenylene)]tris[3-oxobutyramidato]](2-)-N29, N30, N31, N32]nickel [N, N, N', N''-[29H, 31H-酞菁三基三(磺酰亚氨基-3,1-亚苯基)]三[3-氧代丁酰胺]-N29, N30, N31, N32]镍	306-784-3	97404-21-2	
	[N, N, N', N''-[29H, 31H-phthalocyaninetetrayltetrakis(sulphonylimino-3,1-phenylene)]tetrakis[3-oxobutyramidato]](2-)-N29, N30, N31, N32]nickel [N, N, N', N''-[29H, 31H-酞菁四基四(磺酰亚氨基-3,1-亚苯基)]四[3-氧代丁酰胺]-N29, N30, N31, N32]镍	306-785-9	97404-22-3	
	Diiron nickel zinc tetraoxide 四氧化二铁镍锌	306-902-3	97435-21-7	
	Copper, bis(8-quinolinolato-N1,O8)-, reaction products with C8-10-branched fatty acids, tert-decanoic acid, nickel(2+) diacetate, nickel(2+) carbonate (1:1) and nickel hydroxide (Ni(OH)2) 铜, 双(8-羟基喹啉)-, 与C8-10支链脂肪酸、叔癸酸、二乙酸镍、碳酸镍(1:1)和氢氧化镍(Ni(OH)2)的反应产物	307-554-5	97660-42-9	
	Speiss, lead, nickel-contg. 黄渣, 铅, 含镍	308-765-5	98246-91-4	
	Diammonium tetrachloronickelate(2-) 四氯合镍(II)酸二铵	308-989-3	99587-11-8	
	Cassiterite, cobalt manganese nickel grey 锡石, 钴锰镍灰	309-018-6	99749-23-2	
	Residues, copper-iron-lead-nickel matte, sulfuric acid-insol. 残渣, 铜-铁-铅-镍冰铜, 硫酸不溶	310-050-8	102110-49-6	
	[2,2'-[1,2-phenylenebis(nitrilomethylidene)]-bis(phenoato)]-N,N',O,O'-nickel(II) [2,2'-[1,2-亚苯基双(硝基甲基亚基)]双(苯酚)]-N,N',O,O'-镍(II)	400-870-5	14406-71-4	
	Tetrasodium (c-(3-(1-(3-(e-6-dichloro-5-cyanopyrimidin-f-yl(methyl)amino)propyl)-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-3-pyridylazo)-4-sulfonatophenylsulfonyl)phthalocyanine-a,b,d-trisulfonato(6-))nickelate II, where a is 1 or 2 or 3 or 4, b is 8 or 9 or 10 or 11, c is 15 or 16 or 17 or 18, d is 22 or 23 or 24 or 25 and where e and f together are 2 and 4 or 4 and 2 respectively 四钠 (c-(3-(1-(3-(e-6-二氯-5-氨基嘧啶-f-基(甲基)氨基)丙基)-1,6-二氢-2-羟基-4-甲基-6-氧代-3-吡啶基偶氮)-4-磺酰基苯基磺酰基)酞菁-a,b,d-三磺酸(6-))镍(II), 其中 a 为 1 或 2 或 3 或 4, b 为 8 或 9 或 10 或 11, c 为 15 或 16 或 17 或 18, d 为 22 或 23 或 24 或 25, 且 e 和 f 一起分别为 2 和 4 或 4 和 2	410-160-7	148732-74-5	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Nickel(2+), tris(1,2-ethanediamine-κN, κN')-, (OC-6-11)-, salt with dimethylbenzenesulfonic acid (1:2) 镍(2+), 三(1,2-乙二胺-κN, κN')-, (OC-6-11)-, 二甲苯磺酸盐 (1:2)	-	71215-97-9	
	Nickel, bis[N-(hydroxy-3-(hydroxyimino-κN)-N'-(2-methoxyphenyl)butanimidato-κN')-] 镍, 双[N-(羟基-3-(羟基亚氨基-κN)-N'-(2-甲氧基苯基)	-	71605-83-9	
	Nickel, [N-(4-chlorophenyl)-3-[2-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-(oxo-κO)-1H-pyrazol-4-yl]methylene]hydrazinylidene-κN2]-α-cyano-1H-indole-3-acetimidato(2-)-κN2, κO3]- 镍, [[N-(4-氯苯基)-3-[2-[[1-(4-氯苯基)-4,5-二氢-3-甲基-5-(氧代-κO)-1H-吡唑-4-基]亚甲基]肼基亚基-κN2]-α-氰基-1H-异吲哚-3-乙酰胺(2-)-κN2, κO3]-	-	106887-33-6	
	Sulfuric acid, nickel salt (1:2), reaction products with sulfurized phenol calcium salt (2:1) 硫酸镍盐 (1:2), 与硫化酚钙盐 (2:1) 的反应产物	-	72162-32-4	
	Nickel, [N,N',N''-tris[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyanine-C,C,C-trisulfonamido(2-)-κN29, κN30, κN31, κN32]- 镍, [N,N',N''-三[4-(4,5-二氢-3-甲基-5-氧代-1H-吡唑-1-基)苯基]-29H,31H-酞菁-C,C,C-三磺酰胺(2-)-κN29, κN30, κN31, κN32]-	-	72252-57-4	
	Nickelate(6-), [C-[[[3-[2-[4,5-dihydro-3-methyl-5-oxo-1-(3-sulfo-4-[2-[2-sulfo-4-[(2,5,6-trichloro-4-pyrimidinyl)amino]phenyl]ethenyl]phenyl]-1H-pyrazol-4-yl]diazenyl]-4-sulfo]phenyl]amino]sulfonyl]-29H,31H-phthalocyanine-C,C,C-trisulfonato(8-)-κN29, κN30, 镍酸(6-), [C-[[[3-[2-[4,5-二氢-3-甲基-5-氧代-1-(3-磺基-4-[2-[2-磺基-4-[(2,5,6-三氯-4-吡啶基)氨基]苯基]乙基]苯基]-1H-吡唑-4-基]重氮基]-4-磺基苯基]氨基]磺酰基]-29H,31H-酞菁-C,C,C-三磺酸(8-)-κN29, κN30,	-	72453-55-5	
	Aluminum, triethyl-, reaction products with nickel(2+) 2-ethylhexanoate (1:2) 铝, 三乙基-, 与2-乙基己酸镍(2+) (1:2) 的反应产物	-	79357-65-6	
	Nickel, bis[(cyano-κC)triphenylborato(1-)-κN]bis(hexanedinitrile-κN, κN')- 镍, 双[(氰基-κC)三苯基硼酸(1-)-κN]双(己二腈-κN, κN')-	-	83864-02-2	
	Nickel Sulfide (Ni7S3) 硫化镍 (Ni7S3)	-	84013-51-4	
	Sulfuric acid, nickel(2+) salt (1:1), trihydrate 硫酸镍(2+)盐 (1:1), 三水合物	-	85017-75-0	
	Nickel, bis(diisononylcarbamodithioato-S,S')- 镍, 双(二异壬基碳二硫代酸-S,S')-	-	85298-61-9	
	Nickel Sulfide (Ni3S5), trihydrate 硫化镍 (Ni3S5), 三水合物	-	86498-45-5	
	Phosphoric acid, compounds, nickel(2+) zinc salt (2:1:2) 磷酸化合物, 镍(2+)锌盐 (2:1:2)	-	90053-13-7	
	Fatty acids, (C=3-22), nickel salts, basic 脂肪酸, (C=3-22), 镍盐, 碱性	-	91845-72-6	
	Nickel Sulfide (Ni5S3) 硫化镍 (Ni5S3)	-	97599-06-9	
	Nickel Sulfide (Ni5S4) 硫化镍 (Ni5S4)	-	97599-07-0	
	Nickel Sulfide (Ni5S6) 硫化镍 (Ni5S6)	-	97599-08-1	
	Nickel Sulfide (Ni9S5) 硫化镍 (Ni9S5)	-	98443-26-6	
	Nickel sulfide (Ni(HS)2) 硫化镍 (Ni(HS)2)	-	27911-69-9	
	Nickel, tris(neodecanoato-κappa.O)[μ.3-[orthoborato(3-)-κappa.O;κappa.O';κappa.O']]]tri- 镍, 三(新癸酸-κappa.O)[μ.3-[原硼酸(3-)-κappa.O;κappa.O';κappa.O']]]三-	-	936576-64-6	
	Nickel arsenide sulfide 硫化砷镍	-	12255-10-6	
	Perchloric acid, nickel salt 高氯酸镍盐	-	41743-88-8	
	Nickelate(Ni405)(1-), lithium 镍酸(Ni405)(1-), 锂	-	67163-62-6	
	Nickel subselenide 次砷化镍	-	12255-80-0	
	Antimony nickel titanium oxide 镍镍钛氧化物	-	54576-53-3	
	Sulfuric acid, nickel(2+) salt (1:1), tetrahydrate 硫酸镍(2+)盐 (1:1), 四水合物	-	61092-77-1	
	Sulfuric acid, nickel(2+) salt (1:1), pentahydrate 硫酸镍(2+)盐 (1:1), 五水合物	-	66341-42-2	
	Sulfuric acid, nickel(2+) salt (1:1), dihydrate 硫酸镍(2+)盐 (1:1), 二水合物	-	66634-47-7	
	Godlevskite (Ni7S6) 古德列夫斯基矿 (Ni7S6)	-	66732-80-7	
	Nickel Sulfide (Ni4S) 硫化镍 (Ni4S)	-	67272-59-7	
	Nickel, bis[[2-(hydroxy-κO)-4-octylphenyl]phenylmethanato-κO]- 镍, 双[[2-(羟基-κO)-4-辛基苯基]苯基甲酮-κO]-	-	68189-15-1	
	Nickel, [29H,31H-phthalocyaninato(2-)-κN29, κN30, κN31, κN32]-, [(3-aminophenyl)amino]sulfonyl sulfo derivs. 镍, [29H,31H-酞菁(2-)-κN29, κN30, κN31, κN32]-, [(3-氨基苯基)氨基]磺酰磺基衍生物	-	68412-19-1	
	Nickel, dextrin complexes 镍, 糊精络合物	-	68412-20-4	
	Sulfuric acid, nickel(2+) salt (1:1), reaction products with nickel and nickel oxide (NiO) 硫酸镍(2+)盐 (1:1), 与镍和氧化镍 (NiO) 的反应产物	-	68585-48-8	
	2-ethylhexanoic acid;nickel:2,2,2-trifluoroacetic acid 2-乙基己酸;镍:2,2,2-三氟乙酸	-	70776-98-6	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
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. 根据欧盟《物质和混合物分类、标签和包装法规》(EC) 第1272/2008号附件六第三部分, 被分类为1A类或1B类致癌物, 且分别列于附录1或附录2中的物质。	-	-	Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30: 1. Shall not be placed on the market, or used, — as substances, — as constituents of other substances, or, — in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: — 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 of Regulation (EC) No 1272/2008.
	Mutagen category 1B (Table 3.1)/ mutagen category 2 (Table 3.2) listed in Appendix 4 致突变物1B类(表3.1)/致突变物2类(表3.2), 列于附录4	-	-	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: "Restricted to professional users". 2. By way of derogation, paragraph 1 shall not apply to: (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; (c) the following fuels and oil products: — 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); (d) artists' paints covered by Regulation (EC) No 1272/2008; (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. (f) devices covered by Regulation (EU) 2017/745 在不影响本附件其他部分的前提下, 下列规定适用于第28至30条: 不得投放市场或使用。 — 作为物质, — 作为其他物质的成分, 或, — 在混合物中。
	Carcinogen category 1A (Table 3.1)/ carcinogen category 1 (Table 3.2) listed in Appendix 1 致癌物1A类(表3.1)/致癌物1类(表3.2), 列于附录1	-	-	当该物质或混合物中的个别浓度等于或高于以下限值时, 不得向公众销售: — (EC) 第1272/2008号法规附件六第三部分规定的相关特定浓度限值, 或, — (EC) 第1272/2008号法规附件一第三部分规定的相关通用浓度限值。 在不影响实施关于物质和混合物分类、包装和标签的其他欧盟规定的前提下, 供应商在投放市场前应确保此类物质和混合物的包装以清晰、易读且不可擦除的方式标明: "仅限于专业用户使用"。 作为例外, 第1款不适用于: (a) 指令2001/82/EC和指令2001/83/EC定义的药品或兽药产品; (b) 指令76/768/EEC定义的化妆品产品; (c) 以下燃料和油品: — 指令98/70/EC涵盖的发动机燃料, — 旨在用于移动或固定燃烧装置燃料的矿物油产品, — 在封闭系统中销售的燃料(例如液化气瓶); (d) (EC) 第1272/2008号法规涵盖的艺术家用涂料; (e) 附录11所列物质, 用于附录11第2列所列应用或用途。若附录11第2列指定了日期, 则豁免适用至该日期。 (f) 法规(EU) 2017/745涵盖的器械。
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. 根据欧盟《物质和混合物分类、标签和包装法规》(EC) 第1272/2008号附件六第三部分, 被分类为1A类或1B类生殖细胞致突变物, 且分别列于附录3或附录4中的物质。	-	-	Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30: 1. Shall not be placed on the market, or used, — as substances, — as constituents of other substances, or, — in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: — 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 of Regulation (EC) No 1272/2008.
	Mutagen category 1B (Table 3.1)/ mutagen category 2 (Table 3.2) listed in Appendix 4 致突变物类别1B(表3.1)/致突变物类别2(表3.2), 列于附录4	-	-	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: "Restricted to professional users". 2. By way of derogation, paragraph 1 shall not apply to: (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; (c) the following fuels and oil products: — 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); (d) artists' paints covered by Regulation (EC) No 1272/2008; (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. (f) devices covered by Regulation (EU) 2017/745. 在不影响本附件其他部分的前提下, 下列规定适用于第28至30条: 当物质或混合物中的单个浓度达到或超过以下任一限值时, 不得以物质、其他物质的组分或混合物的形式投放市场或向公众供应: — 欧盟《物质和混合物分类、标签和包装法规》(EC) 第1272/2008号附件六第三部分规定的相关特定浓度限值; 或 — 该法规附件一第三部分规定的相关通用浓度限值。 在不影响关于物质和混合物分类、包装及标签的其他欧盟规定实施的前提下, 供应商应在投放市场前确保此类物质和混合物的包装上清晰、易读且不可擦除地标注: "仅限专业用户使用"。 作为例外, 第1款规定不适用于以下情况: (a) 指令2001/82/EC和2001/83/EC定义的药品或兽药产品; (b) 指令76/768/EEC定义的化妆品; (c) 以下燃料和油品: — 指令98/70/EC涵盖的机动车辆燃料; — 用作移动或固定燃烧装置燃料的矿物油产品; — 封闭系统内销售的燃料(例如液化气瓶); (d) 法规(EC) 第1272/2008号法规涵盖的艺术家用涂料; (e) 附录11所列物质, 且仅用于该附录第2列指定的用途。若附录11第2列注明了日期, 则豁免适用至该日期; (f) 法规(EU) 2017/745涵盖的器械。
	Mutagen category 1A (Table 3.1)/ mutagen category 1 (Table 3.2) listed in Appendix 3 致突变物类别1A(表3.1)/致突变物类别1(表3.2), 列于附录3	-	-	当物质或混合物中的单个浓度达到或超过以下任一限值时, 不得以物质、其他物质的组分或混合物的形式投放市场或向公众供应: — 欧盟《物质和混合物分类、标签和包装法规》(EC) 第1272/2008号附件六第三部分规定的相关特定浓度限值; 或 — 该法规附件一第三部分规定的相关通用浓度限值。 在不影响关于物质和混合物分类、包装及标签的其他欧盟规定实施的前提下, 供应商应在投放市场前确保此类物质和混合物的包装上清晰、易读且不可擦除地标注: "仅限专业用户使用"。 作为例外, 第1款规定不适用于以下情况: (a) 指令2001/82/EC和2001/83/EC定义的药品或兽药产品; (b) 指令76/768/EEC定义的化妆品; (c) 以下燃料和油品: — 指令98/70/EC涵盖的机动车辆燃料; — 用作移动或固定燃烧装置燃料的矿物油产品; — 封闭系统内销售的燃料(例如液化气瓶); (d) 法规(EC) 第1272/2008号法规涵盖的艺术家用涂料; (e) 附录11所列物质, 且仅用于该附录第2列指定的用途。若附录11第2列注明了日期, 则豁免适用至该日期; (f) 法规(EU) 2017/745涵盖的器械。

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
30	<p>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. 根据欧盟《物质和混合物分类、标签和包装法规》(EC) 第1272/2008号附件六第三部分, 被分类为1A类或1B类生殖毒性物质, 且分别列于附录5或附录6中的物质。</p> <p>Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6 生殖毒性1B类(对性功能和生育能力或发育产生有害影响)(表3.1), 或生殖毒性2类并带有R60(可能损害生育能力)或R61(可能对胎儿造成伤害)的风险短语(表3.2), 列于附录6。</p> <p>Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5 生殖毒性1A类(对性功能和生育能力或发育产生有害影响)(表3.1), 或生殖毒性1类并带有R60(可能损害生育能力)或R61(可能对胎儿造成伤害)的风险短语(表3.2), 列于附录5。</p>	-	-	<p>Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30: 1. Shall not be placed on the market, or used, — as substances, — as constituents of other substances, or, — in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: — 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 of Regulation (EC) No 1272/2008. 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: “Restricted to professional users” . 2. By way of derogation, paragraph 1 shall not apply to: (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; (c) the following fuels and oil products: — 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); (d) artists’ paints covered by Regulation (EC) No 1272/2008; (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. (f) devices covered by Regulation (EU) 2017/745, 在不影响本附件其他部分的前提下, 下列规定适用于第28至30条: 当物质或混合物中的个体浓度达到或超过以下任一限值时, 不得以物质、其他物质的组分或混合物的形式投放市场、使用或向公众供应: — 欧盟《物质和混合物分类、标签和包装法规》(EC) 第1272/2008号附件六第三部分规定的相关特定浓度限值; 或 — 该法规附件一第三部分规定的相关通用浓度限值。 在不影响关于物质和混合物分类、包装及标签的其他欧盟规定实施的前提下, 供应商应在投放市场前确保此类物质和混合物的包装上清晰、易读且持久地标注以下内容: “仅限专业用户使用”。 作为例外, 第1款规定不适用于以下情况: (a) 指令2001/82/EC和2001/83/EC定义的药品或兽药产品; (b) 指令76/768/EEC定义的化妆品; (c) 以下燃料和油品: — 指令98/70/EC涵盖的机动车辆燃料; — 用作移动或固定燃烧装置燃料的矿物油产品; — 在封闭系统内销售的燃料(例如液化气瓶); (d) 法规(EC) 第1272/2008号涵盖的艺术家用涂料; (e) 附录11第1列所列物质, 且仅用于该附录第2列指定的用途。若附录11第2列注明了日期, 则豁免适用至该日期; (f) 法规(EU) 2017/745涵盖的器械。</p>
31	<p>Creosote and Creosote related substances 木馏油(工业用杂酚油)</p> <p>Creosote oil, high-boiling distillate 高沸点馏分煤焦油馏出物</p> <p>Distillates (coal tar), upper; heavy anthracene oil 高温煤焦油上部分馏出物(重葱油)</p> <p>Tar acids, coal, crude; crude phenols 粗煤焦油酸(粗酚类)</p> <p>Creosote; wash oil 洗涤油(焦油碱提取后的中性油)</p> <p>Creosote, wood 木杂酚油(木材干馏产物)</p> <p>Anthracene oil 葱油(葱馏分)</p> <p>Creosote oil, acenaphthene fraction; wash oil 葱馏分洗涤油</p> <p>Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline 低温煤焦油碱性提取残渣</p> <p>Creosote oil; wash oil 洗涤油(通用工业级)</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. 2. By way of derogation from paragraph 1: (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: (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. Such substances and mixtures for use in wood treatment in industrial installations or by professionals: — 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. 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: “For use in industrial installations or professional treatment only” . (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. (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. 3. Treated wood referred to under paragraph 2(b) and (c) shall not be used: — 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: — 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. 1. 不得作为物质或混合物投放市场或用于木材处理。经此处理的木材亦不得投放市场。 2. 作为第1款的例外: (a) 若满足以下条件, 该物质和混合物可在工业设施中或由符合欧盟劳工保护法规的专业人员用于木材现场再处理: (1) 苯并[a]比浓度低于 50 mg/kg (0.005% 重量比), 且 (1i) 水可萃取酚类浓度低于 3% 重量比。 此类用于工业设施或专业人员木材处理的物质和混合物: — 仅允许以容量≥20升的包装投放市场, — 不得销售给消费者。 在不影响其他欧盟物质和混合物分类、包装和标签规定的前提下, 供应商应确保在投放市场前于包装上清晰、持久地标注: “仅限工业设施或专业处理使用”。 (b) 根据(a)项在工业设施或经专业人员处理的木材, 首次投放市场或现场再处理后, 仅限专业和工业用途, 例如: 铁路、电力传输与通信设施、围栏、农业用途(如树木支撑桩)、港口及水道工程。 (c) 第1款中关于投放市场的禁令不适用于以下情况: 2002年12月31日前已使用第31条(a)至(i)所列物质处理过的木材, 在二手市场上为重复使用而交易。 3. 第2款(b)和(c)项所述经处理的木材不得用于以下场景: — 任何类型的建筑室内, — 玩具制造, — 游乐场设施, — 公园、花园及其他可能频繁接触皮肤的户外休闲娱乐场所, — 花园家具(如野餐桌)制造, — 以下物件的制造、使用及再处理: — 种植容器, — 可能接触生食/动物饲料的包装材料, 由非出口或进口包装制成。</p>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Distillates (coal tar), naphthalene oils; naphthalene oil 煤油馏分(萘馏分)	283-484-8	84650-04-4	<ul style="list-style-type: none"> — 可能接触供人/动物消费的原材料、中间产品或成品的包装材料; — 可能污染上述物品的其他材料。
32	Chloroform 氯仿	200-663-8	67-66-3	<p>Without prejudice to the other parts of this Annex, the following shall apply to entries 32 to 38.</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 in concentrations equal to or greater than 0,1 % by weight, <p>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.</p> <p>2. 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' .</p> <p>By way of derogation this provision 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>在不影响本附件其他部分的前提下, 下列规定适用于第32至38条: 当物质或混合物符合以下情况时, 不得投放市场或使用:</p> <ul style="list-style-type: none"> — 作为物质本身, — 作为其他物质的组分, 或, — 在混合物中浓度\geq 0.1% (重量百分比), <p>且该物质或混合物旨在供应给公众和/或旨在用于扩散性用途, 例如表面清洁和织物清洁。</p> <p>在不影响关于物质和混合物分类、包装及标签的其他欧盟规定实施的前提下, 供应商应在投放市场前确保浓度\geq 0.1% (重量百分比) 的此类物质或混合物的包装上清晰、易读且持久地标注以下内容: “仅限工业设施使用”。</p> <p>作为例外, 本条规定不适用于:</p> <ul style="list-style-type: none"> (a) 指令2001/82/EC和2001/83/EC定义的药品或兽药产品; (b) 指令76/768/EEC定义的化妆品。
34	1, 1, 2-Trichloroethane 1, 1, 2-三氯乙烷	201-166-9	79-00-5	<p>Without prejudice to the other parts of this Annex, the following shall apply to entries 32 to 38.</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 in concentrations equal to or greater than 0,1 % by weight, <p>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.</p> <p>2. 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' .</p> <p>By way of derogation this provision 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>在不影响本附件其他部分的前提下, 以下规定适用于第32至38条: 若物质或混合物旨在向公众供应和/或用于扩散性用途 (如表面清洁和织物清洁), 则不得以以下形式投放市场或使用:</p> <ul style="list-style-type: none"> — 作为物质本身, — 作为其他物质的组分, 或 — 在混合物中浓度等于或大于0.1% (重量百分比)。 <p>在不影响关于物质和混合物分类、包装及标签的其他欧盟规定实施的前提下, 供应商应确保在投放市场前, 将含有浓度等于或大于0.1% (重量百分比) 该物质的物质或混合物的包装, 以清晰、易读且持久的方式标记为: “仅限工业设施使用”。</p> <p>作为例外, 本条规定不适用于:</p> <ul style="list-style-type: none"> (a) 指令2001/82/EC和2001/83/EC定义的药品或兽药产品; (b) 指令76/768/EEC定义的化妆品。
35	1, 1, 2, 2-Tetrachloroethane 1, 1, 2, 2-四氯乙烷	201-197-8	79-34-5	<p>Without prejudice to the other parts of this Annex, the following shall apply to entries 32 to 38.</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 in concentrations equal to or greater than 0,1 % by weight, <p>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.</p> <p>2. 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' .</p> <p>By way of derogation this provision 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>在不影响本附件其他部分效力的前提下, 下列规定适用于第32至38条: 凡拟供公众使用和/或取用于扩散性用途 (如表面清洁和织物清洁) 的物质或混合物, 均不得以以下形式投放市场或使用:</p> <ul style="list-style-type: none"> — 作为物质本身, — 作为其他物质的组分, 或 — 以浓度等于或高于0.1% (按重量计) 的形式存在于混合物中。 <p>在不影响关于物质和混合物分类、包装及标签的其他共同体规定实施的前提下, 供应商应在投放市场前确保所含相关物质浓度等于或高于0.1% (按重量计) 的此类物质或混合物的包装上, 以清晰、易读且不可擦除的方式标明: “仅限工业设施使用”。</p> <p>作为例外, 本条规定不适用于:</p> <ul style="list-style-type: none"> (a) 指令2001/82/EC和指令2001/83/EC所定义的药品或兽药产品; (b) 指令76/768/EEC所定义的化妆品。

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
36	1, 1, 1, 2-Tetrachloroethane 1, 1, 1, 2-四氯乙烷	-	630-20-6	<p>Without prejudice to the other parts of this Annex, the following shall apply to entries 32 to 38.</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 in concentrations equal to or greater than 0,1 % by weight, <p>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.</p> <p>2. 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'.</p> <p>By way of derogation this provision 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>在不影响本附件其他部分效力的前提下，以下规定适用于第32至38条： 若物质或混合物拟供公众使用和/或拟用于扩散性用途（如表面清洁和织物清洁），则不得以以下形式投放市场或使用： — 作为物质本身， — 作为其他物质的组分，或 — 在混合物中浓度等于或大于0.1%（按重量计）。</p> <p>在不影响关于物质和混合物分类、包装及标签的其他欧盟规定实施的前提下，供应商应在投放市场前确保所含相关物质浓度等于或大于0.1%（按重量计）的此类物质或混合物的包装上，以清晰、易读且不可擦除的方式标明：“仅限工业设施使用”。</p> <p>作为例外，本条规定不适用于： (a) 指令2001/82/EC和指令2001/83/EC所定义的药品或兽药产品； (b) 指令76/768/EEC所定义的化妆品。</p>
37	Pentachloroethane 五氯乙烷	200-925-1	27766	<p>Without prejudice to the other parts of this Annex, the following shall apply to entries 32 to 38.</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 in concentrations equal to or greater than 0,1 % by weight, <p>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.</p> <p>2. 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'.</p> <p>By way of derogation this provision 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>在不影响本附件其他部分效力的前提下，下列规定适用于第32至38条： 若物质或混合物旨在供公众使用和/或用于扩散性用途（如表面清洁和织物清洁），则不得以以下形式投放市场或使用： — 作为物质本身， — 作为其他物质的组分，或 — 在混合物中浓度等于或高于0.1%（重量百分比）。</p> <p>在不影响关于物质和混合物分类、包装及标签的其他欧盟规定实施的前提下，供应商应确保在投放市场前，将所含相关物质浓度等于或高于0.1%（重量百分比）的此类物质或混合物的包装，以清晰、易读且不可擦除的方式标注为：“仅限工业设施使用”。</p> <p>作为例外，本条规定不适用于： (a) 指令2001/82/EC和2001/83/EC所定义的药品或兽药产品； (b) 指令76/768/EEC所定义的化妆品。</p>
38	1,1-Dichloroethene 1,1-二氯乙烯（偏二氯乙烯）	200-864-0	75-35-4	<p>Without prejudice to the other parts of this Annex, the following shall apply to entries 32 to 38.</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 in concentrations equal to or greater than 0,1 % by weight, <p>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.</p> <p>2. 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'.</p> <p>By way of derogation this provision 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>在不影响本附件其他部分效力的前提下，下列规定适用于第32至38条： 若物质或混合物旨在供公众使用和/或用于扩散性用途（如表面清洁和织物清洁），则不得以以下形式投放市场或使用： — 作为物质本身， — 作为其他物质的组分，或 — 在混合物中浓度等于或高于0.1%（重量百分比）。</p> <p>在不影响关于物质和混合物分类、包装及标签的其他欧盟规定实施的前提下，供应商应确保在投放市场前，将所含相关物质浓度等于或高于0.1%（重量百分比）的此类物质或混合物的包装，以清晰、易读且不可擦除的方式标注为：“仅限工业设施使用”。</p> <p>作为例外，本条规定不适用于： (a) 指令2001/82/EC和2001/83/EC所定义的药品或兽药产品； (b) 指令76/768/EEC所定义的化妆品。</p>
	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 Regulation (EC) No 1272/2008 or not 根据欧盟《物质和混合物分类、标签和包装法规》（EC）第1272/2008号的规定，以下类别的物质均受			<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> <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>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
40	相关限制（无论其是否列于该法规附件六的第三部分）： 易燃气体：类别 1 或 2 易燃液体：类别 1、2 或 3 易燃固体：类别 1 或 2 遇水放出易燃气体的物质和混合物：类别 1、2 或 3 自燃液体：类别 1 自燃固体：类别 1	-	-	(*) OJ L 147, 9.6.1975, p. 40. 1. 作为物质或混合物，不得用于旨在向公众供应的、用于娱乐和装饰目的的气雾剂容器中，例如： — 主要用于装饰的金属闪粉， — 人造雪和霜， — “放屁”坐垫， — 彩带喷漆， — 仿制粪便， — 派对喇叭， — 装饰亮片和泡沫， — 人造蜘蛛网， — 臭气弹。 2. 在不影响关于物质分类、包装和标签的其他共同体规定实施的前提下，供应商应确保在上述气雾剂容器投放市场前，在其包装上以清晰、易懂且不可擦除的方式标明：“仅供专业用户使用”。 3. 作为例外，第1款和第2款的规定不适用于欧洲理事会指令75/324/EEC (*) 第8条第(1a)款所述的气雾剂容器。 4. 第1款和第2款所述的气雾剂容器，除非符合本条规定的要求，否则不得投放市场。 (*) 《欧盟官方公报》L 147, 1975年6月9日，第40页。
41	Hexachloroethane 六氯乙烷	200-666-4	67-72-1	Shall not be placed on the market, or used, as substance or in mixtures, where the substance or mixture is intended for the manufacturing or processing of non-ferrous metals. 不得作为物质或混合物投放市场或使用，若该物质或混合物拟用于有色金属的制造或加工。
43	Azocolourants and Azodyes 偶氮着色剂和偶氮染料： A mixture of: disodium (6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato) (1-(5-chloro-2-oxidophenylazo)-2-naphtholato)chromate(1-); trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-) 以下物质的混合物：铬酸二钠(6-(4-苯胺基)-3-磺酸-2-(3,5-二硝基-2-氧化苯偶氮)-1-萘酚)(1-(5-氯-2-氧化苯偶氮)-2-萘酚)盐(1-); 双(6-(4-苯胺基)-3-磺酸-2-(3,5-二硝基-2-氧化苯偶氮)-1-萘酚)铬酸三钠(1-)	-	-	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: — 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. 1. 符合以下条件的偶氮染料不得使用： 经一个或多个偶氮基还原裂解后，可能释放出附录8所列的一种或多种芳香胺，且根据附录10所列测试方法，在制品或其染色部分中可检测浓度超过 30毫克/千克（0.003% 重量比）。此禁令适用于可能与人皮肤或口腔直接接触且长期接触的纺织品和皮革制品，例如： — 服装、床上用品、毛巾、假发、头套、帽子、尿布及其他卫生用品、睡袋； — 鞋类、手套、手表带、手提包、钱包/皮夹、公文包、椅套、颈挂式小包； — 纺织或皮革玩具以及含有纺织或皮革部件的玩具； — 供最终消费者使用的纱线和织物。 2. 此外，第9条所述的纺织品和皮革制品，除非符合该款规定的要求，否则不得投放市场。 3. 列于附录9《偶氮染料清单》中的偶氮染料，若用于纺织品和皮革制品的着色，则不得以物质形式，或以
45	Diphenylether, octabromo derivative C12H2Br8O 八溴二苯醚 Diphenyl ether, octabromo derivative 八溴二苯醚	-	-	1. Shall not be placed on the market, or used: — as a substance, — as a constituent of other substances, or in mixtures, in concentrations greater than 0,1 % by weight. 2. Articles shall not be placed on the market if they, or flame-retardant parts thereof, contain this substance in concentrations greater than 0,1 % by weight. 3. By way of derogation, paragraph 2 shall not apply: — 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. 不得以下形式投放市场或使用： — 作为物质本身， — 作为其他物质的组分，或， — 以浓度大于0.1%（重量百分比）的形式存在于混合物中。 2. 若制品或其阻燃部件中该物质浓度大于0.1%（重量百分比），则不得投放市场。 3. 作为例外，第2款规定不适用于： — 在2004年8月15日之前已于欧盟境内投入使用的制品， — 属于指令2002/95/EC范围内的电子电气设备。
46	Entry 46 条目46 Nonylphenol ethoxylates (C2H4O)nC15H24O 壬基酚聚氧乙烯醚	-	-	Shall not be placed on the market, or used, as substances or in mixtures in concentrations equal to or greater than 0,1 % by weight for the following purposes: (1) industrial and institutional cleaning except: — controlled closed dry cleaning systems where the washing liquid is recycled or incinerated, — cleaning systems with special treatment where the washing liquid is recycled or incinerated. (2) domestic cleaning; (3) textiles and leather processing except: — 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: — 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: — 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. 不得作为物质或混合物，在浓度等于或大于0.1%（按重量计）的情况下投放市场或用于以下用途： (1) 工业和公共设施清洁，但以下情况除外： — 洗涤液被回收或焚烧的受控封闭式干洗系统；

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Nonylphenol C6H4 (OH) C9H19 壬基酚	246-672-0	25154-52-3	<p>— 洗涤剂被回收或焚烧的采用特殊处理的清洁系统。</p> <p>(2) 家庭清洁；</p> <p>(3) 纺织品和皮革加工，但以下情况除外： — 无废水排放的加工工艺； — 在废水生物处理前，对工艺用水进行预处理以完全去除有机组分的特殊处理系统（如羊皮脱脂）；</p> <p>(4) 农业乳剂浸渍剂中的乳化剂；</p> <p>(5) 金属加工，但以下情况除外： — 在洗涤剂被回收或焚烧的受控封闭系统中使用；</p> <p>(6) 纸浆和纸张制造；</p> <p>(7) 化妆品；</p> <p>(8) 其他个人护理产品，但以下情况除外： — 杀精剂；</p> <p>(9) 农药和生物杀灭剂中的助剂。但是，在2003年7月17日之前已获得国家授权的、含有壬基酚聚氧乙烯醚作为助剂的农药或生物杀灭剂产品，在其有效期届满前不受本限制的影响。</p>
46a	<p>Nonylphenol ethoxylates (C2H4O)nC15H24O 壬基酚乙氧基化物 (C2H4O)nC15H24O</p> <p>[No public or meaningful name is available] 无公开或有效名称</p> <p>4-Nonylphenol, ethoxylated 4-壬基酚, 乙氧基化</p> <p>Nonylphenol, branched, ethoxylated 支链壬基酚聚氧乙烯醚</p> <p>[No public or meaningful name is available] 无公开或有效名称</p> <p>Isononylphenol, ethoxylated 异壬基酚聚氧乙烯醚</p> <p>Nonylphenol, ethoxylated 壬基酚聚氧乙烯醚</p> <p>4-Nonylphenol, branched, ethoxylated 4-支链壬基酚聚氧乙烯醚</p>	-	-	<p>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.</p> <p>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.</p> <p>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 composed of at least 80 % textile fibres by weight, including products such as clothing, accessories, interior textiles, fibres, yarn, fabrics and knitted panels.</p> <p>1. 自2021年2月3日起，在正常使用周期内可合理预期会进行水洗的纺织品中，若其整体或任一组成部分的壬基酚聚氧乙烯醚浓度达到或超过0.01%（按该纺织品或纺织品组成部分的重量计），则不得投放市场。</p> <p>2. 第1款规定不适用于以下纺织品的市场投放：二手纺织品；或不使用壬基酚聚氧乙烯醚、完全由再生纺织品生产的新纺织品。</p> <p>3. 就第1款和第2款而言，“纺织品”是指：由至少80%（按重量计）纺织纤维构成的任何未成品、半成品或成品；或包含一个由至少80%（按重量计）纺织纤维构成的部件的任何其他产品。包括但不限于服装、配饰、家用纺织品、纤维、纱线、织物及针织片等产品。</p>
47	Chromium VI compounds 六价铬化合物	-	-	<p>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 (0,002%) soluble chromium VI of the total dry weight of the cement.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>1. 若水泥及含水泥混合物在水合状态下，其可溶性六价铬含量超过水泥总干重的 2 毫克/千克 (0.0002%)，则不得投放市场或使用。</p> <p>2. 若使用还原剂，在不损害适用于物质和混合物的分类、包装和标签的其他共同体规定的前提下，供应商应确保在投放市场前，水泥或含水泥混合物的包装上清晰、易读且不可擦除地标注以下信息：包装日期，以及为保持还原剂活性并确保可溶性六价铬含量低于第 1 段所述限值所需的储存条件和储存期限。</p> <p>3. 作为例外，第 1 段和第 2 段不适用于在受控、封闭且全自动的生产过程中投放市场和使用的有关水泥及含水泥混合物，在此类过程中，水泥及含水泥混合物仅由机器处理，且无任何皮肤接触的可能。</p> <p>4. 欧洲标准化委员会 (CEN) 采用的用于测试水泥及含水泥混合物中水溶性铬 (VI) 含量的标准，应作为证明符合第 1 段要求的测试方法。</p> <p>5. 与皮肤接触的皮革制品，若其六价铬含量达到或超过皮革总干重的 3 毫克/千克 (0.0003%)，则不得投放市场。</p> <p>6. 含有与皮肤接触的皮革部件的制品，若其中任何此类皮革部件的六价铬含量达到或超过该皮革部件总干重的 3 毫克/千克 (0.0003%)，则不得投放市场。</p> <p>7. 第 5 段和第 6 段不适用于在 2015 年 5 月 1 日以前已在欧盟最终使用的二手制品的投放市场。</p>
48	Toluene 甲苯	203-625-9	108-88-3	<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 where the substance or mixture is used in adhesives or spray paints intended for supply to the general public.</p> <p>作为一种物质或在混合物中，当其在面向公众供应的粘合剂或喷雾漆中使用的浓度大于或等于重量的0.1%时，不得投放市场或使用。</p>
49	Trichlorobenzene 三氯苯	204-428-0	120-82-1	<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 for any use except:</p> <p>— as an intermediate of synthesis, or,</p> <p>— as a process solvent in closed chemical applications for chlorination reactions, or,</p> <p>— in the manufacture of 1,3,5-triamino-2,4,6-trinitrobenzene (TATB).</p> <p>不得作为物质或混合物以重量浓度大于或等于 0.1% 投放市场或使用，但以下用途除外：</p> <p>— 作为合成中间体；或</p> <p>— 作为氯化反应中封闭式化学应用的过程溶剂；或</p> <p>— 用于制造 1,3,5-三氨基-2,4,6-三硝基苯 (TATB)。</p>
	Polycyclic-aromatic hydrocarbons (PAH) 多环芳烃 (PAHs)	-	-	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Benzo[e]pyrene (BeP) 苯并[e]芘 (BeP)	-	192-97-2	<p>Latest amendments to the Conditions of restriction (Regulation number (EU) 2021/1199 of 20 July 2021)</p> <p>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: — 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.</p> <p>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.</p> <p>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 (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. 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: — 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> <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 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. Such articles include amongst others: — 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> <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>
	Benzo[j]fluoranthene (BjFA) 苯并[j]荧蒽 (BjFA)	-	205-82-3	
	Benzo[b]fluoranthene (BbFA) 苯并[b]荧蒽 (BbFA)	-	205-99-2	
	Benzo[a]anthracene (BaA) 苯并[a]蒽 (BaA)	-	56-55-3	<p>(*) OJ L 263, 9.10.2007, p. 1. (**) OJ L 171, 9. 7.2003, p. 1. (***) OJ L 124, 9. 5.2002, p. 1.</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> <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: (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; (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; (c) “infill material in synthetic turf pitches” consists of granules used in synthetic turf pitches to improve the sport technical performance characteristics of the turfsystem; (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>
50	Chrysen (CHR) 蒽 (CHR)	-	218-01-9	<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; (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; (c) “infill material in synthetic turf pitches” consists of granules used in synthetic turf pitches to improve the sport technical performance characteristics of the turfsystem; (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>《限制条件最新修订》（法规号 (EU) 2021/1199, 2021年7月20日）</p> <p>1. 自2010年1月1日起，填充油若含有以下物质，则不得投放市场或用于生产轮胎或其部件： — 苯并[a]芘含量超过 1 毫克/千克 (0.0001% 重量比)，或， — 所有列出的多环芳烃的总含量超过 10 毫克/千克 (0.001% 重量比)。</p> <p>标准 EN 16143:2013 (石油产品 — 填充油中苯并[a]芘和特定多环芳烃含量的测定 — 采用双重液相色谱净化和气相色谱/质谱分析的程序) 应作为证明符合第一段所述限值的测试方法。</p> <p>在2016年9月23日之前，如果按照石油协会标准 IP 346:1998 (测定未使用过的润滑油基础油和无沥青质石油馏分中的多环芳烃 — 二甲苯萃取折光指数法) 测得的多环芳烃含量小于 3% 重量比，则可视为符合第一段所述的限值。前提是制造商或进口商每六个月或在每次重大工艺变更后 (以较早者为准) 测量并确认其符合苯并[a]芘和所列多环芳烃的限值，且所测数值与多环芳烃萃取物含量具有相关性。</p> <p>2. 此外，在2010年1月1日之后生产的轮胎和翻新胎面胶，若其使用的填充油超过第1段所述限值，则不得投放市场。如果按照 ISO 21461 (硫化橡胶 — 硫化橡胶化合物中油的芳烃含量的测定和计算) 测量和计算的硫化橡胶化合物的Bay质子芳烃不超过 0.35%，则可视为符合这些限值。</p> <p>3. 作为例外，如果翻新轮胎的胎面胶不超过第1段所述限值的填充油，则第2段规定不适用。</p> <p>4. 为本条之目的，“轮胎”指适用于以下法规所涵盖车辆的轮胎： — 欧洲议会和理事会2007年9月5日关于建立机动车辆及其挂车批准框架的第 2007/46/EC 号指令(*)， — 欧洲议会和理事会2003年5月26日关于农用或林用拖拉机、其挂车和可互换牵引机械及其系统、部件和单独技术单元型式批准的第 2003/37/EC 号指令(O)，以及 — 欧洲议会和理事会2002年3月18日关于二轮或三轮机动车型式批准并废除理事会第 92/61/EEC 号指令的第 2002/24/EC 号指令(*)。</p> <p>5. 如果物品的任何橡胶或塑料部件，在正常或可合理预见的使用条件下，会与人体皮肤或口腔发生直接、长期或短期重复接触，且该部件中任何一种所列多环芳烃的含量超过 1 毫克/千克 (占该部件重量的 0.0001%)，则该物品不得投放市场供应给公众。此类物品包括但不限于： — 体育器材，如自行车、高尔夫球杆、球拍 — 家用器皿、手推车、助行架 — 家用工具 — 服装、鞋类、手套和运动服 — 表带、腕带、口罩、头带</p> <p>6. 玩具 (包括活动玩具) 和儿童护理用品，若其任何橡胶或塑料部件在正常或可合理预见的使用条件下，会与人体皮肤或口腔发生直接、长期或短期重复接触，且该部件中任何一种所列多环芳烃的含量超过 0.5 毫克/千克 (占该部件重量的 0.0005%)，则不得投放市场。</p> <p>7. 作为对第5段和第6段的例外，这些段落不适用于在2015年12月27日之前首次投放市场的物品。</p> <p>8. 委员会应在2017年12月27日之前，根据新的科学信息 (包括其中所述物品中多环芳烃的迁移信息) 以及替代原材料的信息，审查第5段和第6段中的限值，并在适当时相应修改这些段落。</p> <p>0 欧盟官方公报 L 263, 2007年10月9日, 第1页。 O 欧盟官方公报 L 171, 2003年7月9日, 第1页。 (O) 欧盟官方公报 L 124, 2002年5月9日, 第1页。</p> <p>9. 如果颗粒或覆盖料中所有多环芳烃的总含量超过 20 毫克/千克 (0.002% 重量比)，则不得作为填充材料投放市场，用于人造草皮运动场，或以松散形式用于游乐场或体育应用。</p> <p>10. 如果颗粒或覆盖料中所有多环芳烃的总含量超过 20 毫克/千克 (0.002% 重量比)，则不得作为填充材料用于人造草皮运动场，或以松散形式用于游乐场或体育应用。</p> <p>11. 作为填充材料投放市场用于人造草皮运动场，或以松散形式用于游乐场或体育应用的颗粒或覆盖料，应标有唯一的批次识别号。</p> <p>12. 第9至11段的规定自2022年8月10日起适用。</p> <p>13 在2009年9月6日之前已获准使用 作为 1. 填充油由石油馏分材料 或由轮胎胎面胶用石油馏分或体育应用的橡胶或塑料 或由轮胎胎面胶由石油馏分或体育应用的橡胶或塑料 可由轮胎胎面胶由石油馏分或体育应用的橡胶或塑料 可由轮胎胎面胶由石油馏分或体育应用的橡胶或塑料</p>
	Benzo[a]pyrene (BaP) 苯并[a]芘 (BaP)	-	50-32-8	
	Dibenzo[a,h]anthracene (DBAHa) 二苯并[a,h]蒽 (DBAHa)	-	53-70-3	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Benzo[k]fluoranthene (BkFA) 苯并[k]荧蒽 (BkFA)	-	207-08-9	<p>13. 在2022年8月9日之前已在欧盟使用，作为人造草坪及运动场填充材料，或以松散形式用于游乐场或体育应用的颗粒或覆盖料，可以保留在原处并继续用于相同目的。</p> <p>14. 就第9至13段而言：</p> <p>(a) “颗粒”是指尺寸在1至4毫米之间、呈现为固体颗粒的混合物，由再生或原生来源的橡胶或其他硫化或聚合物材料制成，或从天然来源获得；</p> <p>(b) “覆盖料”是指尺寸在长度4至130毫米、宽度10至15毫米之间、呈现为片状固体颗粒的混合物，由再生或原生来源的橡胶或其他硫化或聚合物材料制成，或从天然来源获得；</p> <p>(c) “人造草坪运动场填充材料”是指用于人造草坪运动场、旨在改善草坪系统运动技术性能特征的颗粒；</p> <p>(d) “以松散形式用于游乐场或体育应用”是指除作为人造草坪运动场填充材料外的、任何在游乐场以松散形式或为体育目的使用颗粒或覆盖料的情况。</p>
50a	Polycyclic aromatic hydrocarbons (PAH) 多环芳烃 (PAHs)	-	-	<p>Shall not be placed on the market or used, on their own or as constituents of other substances, in clay targets for shooting from 22 April 2026 if they contain more than 50 mg/kg (0,005 % by weight of dry mass of the clay target) of the sum of all listed PAHs.</p> <p>不得投放市场或使用：自2026年4月22日起，若飞碟靶中所有列出的多环芳烃 (PAHs) 总含量超过 50 毫克/千克 (按飞碟靶干重计为 0.005 % 重量比)，则无论其单独使用还是作为其他物质的成分，均不得投放市场或用于制造飞碟靶。</p>
	Benzo[ghi]perylene 苯并[ghi]比 (或：笨笨)	205-883-8	191-24-2	
	Pyrene 芘	204-927-3	129-00-0	
	Indeno[1,2,3-cd]pyrene 苊并[1,2,3-cd]芘	205-893-2	193-39-5	
	Benzo[j]fluoranthene (BjFA) 苯并[j]荧蒽 (BjFA)	-	205-82-3	
	Benzo[h]fluoranthene (BhFA) 苯并[h]荧蒽 (BhFA)	-	205-99-2	
	Fluoranthene 荧蒽	205-912-4	206-44-0	
	Benzo[k]fluoranthene (BkFA) 苯并[k]荧蒽 (BkFA)	-	207-08-9	
	Acenaphthylene 芴烯	205-917-1	208-96-8	
	Chrysen (CHR) 蒽 (CHR)	-	218-01-9	
	Benzo[a]pyrene (BaP) 苯并[a]芘 (BaP) (最具代表性的强致癌PAH)	-	50-32-8	
	Dibenzo[a,h]anthracene (DBaHA) 二苯并[a,h]蒽 (DBaHA)	-	53-70-3	
	Benzo[a]anthracene (BaA) 苯并[a]蒽 (BaA)	-	56-55-3	
	Acenaphthene 芴	201-469-6	83-32-9	
	Phenanthrene 菲	201-581-5	85-01-8	
Fluorene 芴	201-695-5	86-73-7		
Naphthalene 萘	202-049-5	91-20-3		
Anthracene 蒽	204-371-1	120-12-7		
Benzo[e]pyrene (BeP) 苯并[e]芘 (BeP)	-	192-97-2		
51	Diisobutyl phthalate (DIBP); Dibutyl phthalate (DBP); Benzyl butyl phthalate (BBP); Bis(2-ethylhexyl) phthalate (DEHP) 邻苯二甲酸二异丁酯 (DIBP); 邻苯二甲酸二丁酯 (DBP); 邻苯二甲酸丁苄酯 (BBP); 邻苯二甲酸二(2-乙基己基)酯 (DEHP)	-	-	<p>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.</p> <p>2. Shall not be placed on the market in toys or childcare articles, individually or in any combination of 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. 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> <p>(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;</p> <p>(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;</p> <p>(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;</p> <p>(d) articles placed on the market before 7 July 2020;</p> <p>(e) measuring devices for laboratory use, or parts thereof;</p> <p>(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 10/2011; (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), (a) ‘plasticised material’ means any of the following homogeneous materials: - 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> <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: (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> <p>(b) a military aircraft.</p> <p>1. 不得在玩具和儿童护理用品中，将本条目第1栏所列的任何一种或任何组合的邻苯二甲酸酯作为物质或在混合物中使用，其在塑料材料中的浓度大于或等于该材料重量的0.1%。</p> <p>2. 不得在玩具或儿童护理用品中投放市场，其中所含第1栏中前三项所列的任何一种邻苯二甲酸酯或它们的任何组合，在塑料材料中的浓度大于或等于该材料重量的0.1%。此外，自2020年7月7日起，不得在玩具或儿童护理用品中投放市场，其中所含DIBP（邻苯二甲酸二异丁酯）单独或与第1栏中前三项所列邻苯二甲酸酯的任何组合，在塑料材料中的浓度大于或等于该材料重量的0.1%。</p> <p>3. 自2020年7月7日起，不得在物品中投放市场，其中所含本条目第1栏所列的任何一种或任何组合的邻苯二甲酸酯，在该物品的塑料材料中的浓度大于或等于该材料重量的0.1%。</p> <p>4. 第3段的规定不适用于：</p> <p>(a) 专门用于工业或农业，或专门在户外使用的物品，前提是没有任何塑料材料会接触人体黏膜或与人皮肤发生长时间接触；</p> <p>(b) 在2024年1月7日前投放市场的航空器，或无论何时投放市场但专门用于这些航空器维护或修理的物品，且这些物品对航空器的安全性和适航性至关重要；</p> <p>(c) 属于2007/46/EC指令范围内的机动车辆，在2024年1月7日前投放市场的，或无论何时投放市场但专门用于这些车辆维护或修理的物品，且若没有这些物品车辆将无法按预期运行；</p> <p>(d) 在2020年7月7日前投放市场的物品；</p> <p>(e) 用于实验室的测量设备或其部件；</p> <p>(f) 根据法规(EC) No 1935/2004或委员会法规(EU) No 10/2011的范围内，旨在与食品接触的材料和物品；</p> <p>(g) 属于指令90/385/EEC、93/42/EEC或98/79/EC范围内的医疗器械或其部件；</p> <p>(h) 属于指令2011/65/EU范围内的电气和电子设备；</p> <p>(i) 属于法规(EC) No 726/2004、指令2001/82/EC或指令2001/83/EC范围内的药品直接包装；</p>
	Bis(2-ethylhexyl) phthalate (DEHP) 邻苯二甲酸二(2-乙基己基)酯 (DEHP)	204-211-0	117-81-7	
	Benzyl butyl phthalate (BBP) 邻苯二甲酸丁苄酯 (BBP)	201-622-7	85-68-7	
Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯 (DBP)	201-557-4	84-74-2		

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Diisobutyl phthalate 邻苯二甲酸二异丁酯	201-553-2	84-69-5	<p>(J) 受第1或第2段涵盖的玩具和儿童护理用品。</p> <p>5. 就第1、2、3段和第4段(a)项而言，</p> <p>(a) “塑料材料”系指以下任何一种均质材料：- 聚氯乙烯(PVC)、聚偏二氯乙烯(PVDC)、聚乙烯酯(PVA)、聚氨酯，- 除橡胶和天然乳胶涂层外的任何其他聚合物（包括但不限于聚合物泡沫和橡胶材料），- 表面涂层、防污涂层、饰面、贴花、印花图案，- 粘合剂、密封胶、油漆和油墨。</p> <p>(b) “与皮肤长时间接触”系指每天连续接触超过10分钟，或间歇接触累计超过30分钟。</p> <p>(c) “儿童护理用品”系指旨在促进儿童睡眠、放松、卫生、喂养或儿童吮吸的任何产品。</p> <p>6. 就第4段(b)项而言，“航空器”系指以下任何一种：</p> <p>(a) 根据法规(EC) No 216/2008颁发的型号合格证，或根据国际民用航空组织（ICAO）缔约国国家法规颁发的设计批准所生产的民用航空器，或由ICAO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已颁发适航证的航空器；</p> <p>(b) 军用航空器。</p>
52	<p>The following phthalates (or other CAS and EC numbers covering the substance) (See group members) [Entry 52]</p> <p>以下邻苯二甲酸酯（或涵盖该物质的其他 CAS 和 EC 编号） （参见成员列表）[条目 52]</p> <p>Di-“isodecyl” phthalate (DIDP) 邻苯二甲酸二异癸酯</p> <p>Di-“isononyl” phthalate (DINP) 邻苯二甲酸二异壬酯</p> <p>Di-n-octyl phthalate (DNOP) 邻苯二甲酸二正辛酯</p> <p>1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich 1,2-苯二甲酸，二-C9-11-支链烷基酯，富C10</p> <p>1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich 1,2-苯二甲酸，二-C8-10-支链烷基酯，富C9</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. 不得在可被儿童放入口中的玩具和儿童护理用品中，将这些邻苯二甲酸酯作为物质或掺入混合物使用，且其在塑料材料中的浓度大于该材料重量的0.1%。</p> <p>2. 含有这些邻苯二甲酸酯且浓度大于塑料材料重量0.1%的此类玩具和儿童护理用品，不得投放市场。</p> <p>4. 就本条目而言，“儿童护理用品”系指旨在促进儿童睡眠、放松、卫生、喂养或儿童吮吸的任何产品。</p>
54	2-(2-methoxyethoxy)ethanol (DEGME) 2-(2-甲氧基乙氧基)乙醇 (DEGME)	203-906-6	111-77-3	<p>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.</p> <p>自2010年6月27日起，若以下物质在油漆、脱漆剂、清洁剂、自抛乳乳液或地板密封剂中的浓度大于或等于其重量的0.1%，则不得作为这些产品的成分向公众销售。</p>
55	2-(2-butoxyethoxy)ethanol (DEGBE) 2-(2-丁氧基乙氧基)乙醇 (DEGBE)	203-961-6	112-34-5	<p>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.</p> <p>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.</p> <p>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 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> <p>1. 自2010年6月27日起，若以下物质在罐装喷雾涂料或喷雾清洁剂中作为成分的浓度大于或等于其重量的3%，则首次不得向公众供应而投放市场。</p> <p>2. 含有DEGBE且不符合第1段规定的罐装喷雾涂料和喷雾清洁剂，自2010年12月27日起不得向公众供应而投放市场。</p> <p>3. 在不损害关于物质和混合物分类、包装和标签的其他共同法规的前提下，供应商应在投放市场前确保，对于向公众供应而投放市场的、DEGBE浓度大于或等于其重量3%的非喷雾涂料，最迟于2010年12月27日前以清晰、易读、不可擦除的方式标注如下内容：“请勿用于喷涂设备”。</p>
56	<p>Methylenediphenyl diisocyanate (MDI) including the following specific isomers (See group members):</p> <p>亚甲基二苯基二异氰酸酯 (MDI)，包括以下特定异构体（参见组成员）：</p> <p>2,4’-Methylenediphenyl diisocyanate 2,4’-亚甲基二苯基二异氰酸酯</p> <p>4,4’-Methylenediphenyl diisocyanate 4,4’-亚甲基二苯基二异氰酸酯</p> <p>Methylenediphenyl diisocyanate (MDI) 亚甲基二苯基二异氰酸酯 (MDI)</p> <p>2,2’-Methylenediphenyl diisocyanate 2,2’-亚甲基二苯基二异氰酸酯</p>	-	-	<p>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:</p> <p>(a) contains protective gloves which comply with the requirements of Council Directive 89/686/EEC (*);</p> <p>(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:</p> <p>— Persons already sensitised to diisocyanates may develop allergic reactions when using this product.</p> <p>— Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.</p> <p>— 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.’</p> <p>2. By way of derogation, paragraph 1(a) shall not apply to hot melt adhesives.</p> <p>(* OJ L 399, 30.12.1989, p. 18.</p> <p>1. 自2010年12月27日起，若混合物中作为成分的MDI浓度大于或等于其重量的0.1%，则不得向公众供应而投放市场，除非供应商确保在投放市场前，其包装符合以下要求：</p> <p>(a) 内附符合欧洲理事会指令 89/686/EEC (*) 要求的防护手套；</p> <p>(b) 在不损害关于物质和混合物分类、包装和标签的其他共同法规的前提下，以清晰、易读、不可擦除的方式标注以下内容：</p> <p>— 对二异氰酸酯已产生过敏的人员在使用本产品时可能出现过敏反应。</p> <p>— 患有哮喘、湿疹或皮肤问题的人员应避免接触（包括皮肤接触）本产品。</p> <p>— 除非使用带有适当气体过滤器的防护面罩（即符合标准 EN 14387 的 A1 型），否则不应在通风不良的条件下使用本产品。</p> <p>2. 作为豁免，第1段(a)项不适用于热熔胶。</p> <p>(*《欧洲共同体官方公报》L 399, 30.12.1989, 第18页。</p>
57	Cyclohexane 环己烷	203-806-2	110-82-7	<p>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.</p> <p>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.</p> <p>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:</p> <p>— This product is not to be used under conditions of poor ventilation.</p> <p>— This product is not to be used for carpet laying.’</p> <p>1. 自2010年6月27日起，若环己烷在氯丁橡胶基接触粘合剂中作为成分的浓度大于或等于其重量的0.1%，且包装规格大于350克，则首次不得向公众供应而投放市场。</p> <p>2. 含有环己烷且不符合第1段规定的氯丁橡胶基接触粘合剂，自2010年12月27日起不得向公众供应而投放市场。</p> <p>3. 在不损害关于物质和混合物分类、包装和标签的其他共同法规的前提下，供应商应在投放市场前，对于自2010年12月27日起向公众供应而投放市场的、环己烷浓度大于或等于其重量0.1%的氯丁橡胶基接触粘合剂，均以清晰、易读、不可擦除的方式标注以下内容：</p> <p>— 请勿在通风不良的条件下使用本产品。</p> <p>— 本产品不得用于地毯铺设。</p>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
58	Ammonium nitrate (AN) 硝酸铵	229-347-8	6484-52-2	<p>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 (*)</p> <p>(*) OJ L 304, 21.11.2003, p. 1.</p> <p>1. 自2010年6月27日起, 首次投放市场的硝酸铵(作为物质或混合物), 若其以硝酸铵计的氮含量大于28%(重量百分比), 并用作单一或复合固体肥料时, 必须符合欧洲议会和理事会第2003/2003号条例(*)附件III中关于高氮含量硝酸铵肥料的技术规定, 否则不得投放市场。</p> <p>(*)《欧洲共同体官方公报》L 304, 2003年11月21日, 第1页。</p>
59	Dichloromethane 二氯甲烷	200-838-9	75-09-2	<p>1. Paint strippers containing dichloromethane in a concentration equal to or greater than 0,1 % by weight shall not be: (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; (c) used by professionals after 6 June 2012. For the purposes of this entry: (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; (ii) "industrial installation" means a facility used for paint stripping activities.</p> <p>2. 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. 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. 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. 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>3. 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: (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; (b) use of adequate ventilation; (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>4. 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: (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; (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; (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; (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; (e) adequate information, instruction and training for operators in the use of such equipment.</p> <p>5. 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. 含有浓度大于或等于重量0.1%二氯甲烷的脱漆剂不得: (a) 自2010年12月6日起, 首次为向公众或专业人员供应而投放市场; (b) 自2011年12月6日起, 为向公众或专业人员供应而投放市场; (c) 自2012年6月6日起, 被专业人员使用。</p> <p>就本条目而言: (i) "专业人员"指在其专业活动中从事工业装置外脱漆工作的任何自然人或法人, 包括工人和自雇工作者; (ii) "工业装置"指用于脱漆活动的设施。</p> <p>2. 作为对第1段的豁免, 成员国可允许在其领土内针对特定活动, 由经过专门培训的专业人员使用含有二氯甲烷的脱漆剂, 并可允许为此类专业人员供应此类脱漆剂而投放市场。 利用此豁免的成员国应制定适当条款以保护使用含二氯甲烷脱漆剂的专业人员的健康与安全, 并就此通知欧盟委员会。 这些条款应包括一项要求: 专业人员必须持有其运营所在成员国认可的证书, 或提供其他书面证明, 或以其他方式获得该成员国批准, 以证明其经过安全使用含二氯甲烷脱漆剂的适当培训且具备相应能力。 欧盟委员会应编制利用本段豁免的成员国名单, 并通过互联网公布。</p> <p>3. 受益于第2段豁免的专业人员仅可在已利用该豁免的成员国内操作。第2段所述的培训至少应涵盖: (a) 健康风险意识、评估和管理, 包括现有替代品或替代工艺信息(这些替代品或工艺在其使用条件下对工人的健康和安全隐患较小); (b) 充分通风的使用; (c) 使用符合指令89/686/EEC要求的适当个人防护装备。 雇主和自雇工作者应优先用化学剂或工艺替代二氯甲烷, 这些替代品或工艺在其使用条件下对工人的健康和安全隐患或风险较低。专业人员应在实践中落实所有相关安全措施, 包括使用个人防护装备。</p> <p>4. 在不损害其他关于工人保护的共同体法规的前提下, 含有浓度大于或等于重量0.1%二氯甲烷的脱漆剂仅在满足以下最低条件时方可在工业装置中使用: (a) 所有加工区域的有效通风, 特别是湿法处理和脱漆后工件的干燥区域; 在脱漆槽处设置局部排气通风, 并辅以这些区域的强制通风, 以最大限度减少暴露, 并在技术可行时确保符合相关职业接触限值; (b) 最大限度减少脱漆槽蒸发的措施: 除装卸期间外, 脱漆槽应加盖; 脱漆槽配备合适的装卸装置; 以及卸载后用于去除多余溶剂的水或盐水清洗槽; (c) 脱漆槽中二氯甲烷的安全处理措施: 用于将脱漆剂输入和输出脱漆槽的泵和管道系统; 以及用于安全清洗槽和清除污泥的适当装置; (d) 符合指令89/686/EEC的个人防护装备: 包括合适的防护手套、安全护目镜和防护服; 以及在无法通过其他方式符合相关职业接触限值时使用适当的呼吸防护用品; (e) 为操作员提供关于使用此类设备的充分信息、指导和培训。</p> <p>5. 在不损害关于物质和混合物分类、标签和包装的其他共同体规定的前提下, 截至2011年12月6日, 含有浓度大于或等于重量0.1%二氯甲烷的脱漆剂应以清晰、易读、不可擦除的方式标注如下: "仅限于工业使用和欧盟部分成员国批准的专业人员使用——请核实允许使用的地点。"</p>
60	Acrylamide 丙烯酰胺	201-173-7	79-06-1	<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. 自2012年11月5日起, 凡丙烯酰胺作为物质或混合物成分, 其浓度大于或等于混合物重量0.1%, 不得投放市场或用于灌浆应用。</p>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
61	Dimethyl fumarate (DMFu) 富马酸二甲酯 (DMFu)	210-849-0	624-49-7	Shall not be used in articles or any parts thereof in concentrations greater than 0,1 mg/kg. Articles or any parts thereof containing DMF in concentrations greater than 0,1 mg/kg shall not be placed on the market. 不得在物品或其任何部件中使用浓度高于0.1毫克/千克的富马酸二甲酯 (DMF)。 含有浓度高于0.1毫克/千克富马酸二甲酯 (DMF) 的物品或其任何部件, 不得投放市场。
62	Entry 62 条目62	-	-	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. 自2017年10月10日起, 若混合物中汞的浓度大于或等于其重量的0.01%, 则不得制造、投放市场或用作物质或混合物成分。 2. 自2017年10月10日起, 若物品或其任何部件中含有一种或多种此类物质, 且其中汞的浓度大于或等于其重量的0.01%, 则该物品或其部件不得投放市场。
	Phenylmercury acetate 乙酸苯汞	200-532-5	62-38-4	
	Phenylmercury propionate 丙酸苯汞	203-094-3	103-27-5	
	Phenylmercury neodecanoate 新癸酸苯汞	247-783-7	26545-49-3	
	Phenylmercury 2-ethylhexanoate 2-乙基己酸苯汞	236-326-7	13302-00-6	
	Phenylmercury octanoate 辛酸苯汞	-	13864-38-5	
Lead and its compounds 铅及其化合物	-	-		
Lead compounds 铅化合物	-	-		
Lead 铅	231-100-4	7439-92-1		
Silicic acid, chromium lead salt 硅酸、铬铅盐	234-347-6	11113-70-5		
Dibismuth dilead tetraruthenium tridecaoxide 十三氧化二铋二铅四钽	234-358-6	11116-83-9		
Silicic acid, lead salt 硅酸铅	234-363-3	11120-22-2		
Dicalcium lead tetraoxide 四氧化二钙铅	234-591-3	12013-69-3		
Citric acid, lead salt 柠檬酸铅	238-432-9	14450-60-3		
Lead acrylate 丙烯酸铅	238-458-0	14466-01-4		
Lead metaborate 偏硼酸铅	238-762-3	14720-53-7		
Lauric acid, lead salt 月桂酸铅	239-344-3	15306-30-6		
Lead oleate 油酸铅	239-378-9	15347-55-4		
Lead acetate 乙酸铅 (醋酸铅)	239-379-4	15347-57-6		
Octanoic acid, lead salt 辛酸铅 (八酸铅)	239-790-9	15696-43-2		
Sulphuric acid, lead salt Pb _x SO ₄ 硫酸铅 (Pb _x SO ₄ , x表示非整比形态)	239-831-0	15739-80-7		
Lead disalicylate 双水杨酸铅 (二水杨酸铅)	239-839-4	15748-73-9		
Lead(2+) decanoate 癸酸铅 (十酸铅, Pb ²⁺ 盐)	239-867-7	15773-52-1		
Lead dihexanoate 二己酸铅	239-868-2	15773-53-2		
Lead dilaurate 二月桂酸铅	239-869-8	15773-55-4		
Lead dipalmitate 二棕榈酸铅	239-870-3	15773-56-5		
Lead hydrogenorthophosphate 磷酸氢铅 (正交磷酸铅)	239-952-9	15845-52-0		
Lead(2+) tellurium trioxide 三氧化碲铅 (Pb ²⁺ 盐)	239-964-4	15851-47-5		
Lead silicate 硅酸铅	240-047-6	15906-71-5		
Lead benzoate 苯甲酸铅	240-049-7	15907-04-7		
Lead phosphite 亚磷酸铅	240-176-8	16038-76-9		
Lead phthalate 邻苯二甲酸铅	240-321-5	16183-12-3		
Diantimony lead tetroxide 四氧化二锡铅	240-499-4	16450-50-3		
Lead 2,4,6-trinitro-m-phenylene dioxide 2,4,6-三硝基间苯二酚铅 (斯蒂芬酸铅)	239-290-0	15245-44-0		
Bis(pentane-2,4-dionato-0,0')lead 双(戊烷-2,4-二酮-0,0')铅 (乙酰丙酮铅)	239-323-9	15282-88-9		
Lead di (acetate) 二乙酸铅	206-104-4	301-04-2		
Lead bis(2-ethylhexanoate) 双(2-乙基己酸)铅	206-107-0	301-08-6		
Tetramethyllead 四甲基铅	200-897-0	75-74-1		
Tetraethyllead 四乙基铅	201-075-4	78-00-2		
Lead succinate 丁二酸铅 (琥珀酸铅)	214-732-5	1191-18-0		
Lead dioxide 二氧化铅	215-174-5	1309-60-0		
Orange lead 红丹 (四氧化三铅, 俗称铅丹)	215-235-6	1314-41-6		
Lead sulphide 硫化铅	215-246-6	1314-87-0		
Lead telluride 碲化铅	215-247-1	1314-91-6		
Lead monoxide 一氧化铅 (黄丹)	215-267-0	1317-36-8		
Trilead-bis(carbonate)-dihydroxide 2PbCO ₃ ·Pb(OH) ₂ 碱式碳酸铅 (2PbCO ₃ ·Pb(OH) ₂ , 铅白变体)	215-290-6	1319-46-6		
2-(2,4,5,7-tetrabromo-3,6-dihydroxyxanthen-9-yl)benzoic acid, lead salt 2-(2,4,5,7-四溴-3,6-二羟基氧杂蒽-9-基)苯甲酸铅盐 (曙红铅盐)	215-415-4	1326-05-2		
Lead sulfochromate yellow 硫代铬酸铅黄 (颜料黄)	215-693-7	1344-37-2		
Basic lead chromate orange 碱式铬酸铅橙 (颜料橙)	215-694-2	1344-38-3		
Chlorotrimethylplumbane 氯三甲基铅烷	216-187-9	1520-78-1		
Ethyltrimethylplumbane 乙基三甲基铅烷	217-169-3	1762-26-1		
Diethylidimethylplumbane 二乙基二甲基铅烷	217-170-9	1762-27-2		
Triethylmethylplumbane 三乙基甲基铅烷	217-171-4	1762-28-3		
Tetraethylplumbane 四丁基铅烷	217-649-2	1920-90-7		
Lead, bis(acetato-0) tetrahydroxytri- 双(乙酸根-0)四羟基三铅 (碱式乙酸铅复合物)	215-630-3	1335-32-6		
Trilead dicitrate 三铅二柠檬酸盐	208-141-1	512-26-5		
Lead tetraacetate 四乙酸铅	208-908-0	546-67-8		
Lead dicyanide 二氰化铅	209-742-1	592-05-2		
Lead dithiocyanate 硫氰酸铅	209-774-6	592-87-0		
Tetraphenyllead 四苯基铅	209-871-3	595-89-1		

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Lead diformate 二甲酸铅	212-371-8	811-54-1	
	Lead dipropionate 二丙酸铅	212-400-4	814-70-0	
	Lead oxalate 草酸铅	212-413-5	814-93-7	
	Lead tartrate 酒石酸铅	212-426-6	815-84-9	
	Lead malate 苹果酸铅	212-436-0	816-68-2	
	Lead dibutyrate 二丁酸铅	212-462-2	819-73-8	
	Lead(2+) acrylate 丙烯酸铅(二价)	212-760-2	867-47-0	
	Lead dibenzoate 二苯甲酸铅	212-841-2	873-54-1	
	Chlorotriethylplumbane 氯三乙基铅烷	213-925-1	1067-14-7	
	Lead dioleate 二油酸铅	214-310-0	1120-46-3	
	Chlorotriphenylplumbane 氯三苯基铅烷	214-572-6	1153-06-6	
	Acetoxytriphenylplumbane 乙酸三苯基铅酯	214-601-2	1162-06-7	
	Docosanoic acid, lead salt 二十二烷酸铅盐	221-834-3	3249-61-4	
	Trilead diarsenate 二砷酸三铅	222-979-5	3687-31-8	
	Lead(2+) methacrylate 甲基丙烯酸铅(二价)	213-949-2	1068-61-7	
	Lead distearate 二硬脂酸铅	214-005-2	1072-35-1	
	Acetoxytrimethylplumbane 乙酸三甲基铅酯	227-200-2	5711-19-3	
	Lead dipicrate 二苦味酸铅	229-335-2	6477-64-1	
	Lead phthalate 邻苯二甲酸铅	229-927-0	6838-85-3	
	Diacetoxydiphenylplumbane 二乙酸二苯基铅酯	230-052-1	6928-68-3	
	Hexaethylidiplumbane 六乙基二铅烷	219-216-3	2388-00-3	
	Acetoxytributylplumbane 乙酸三丁基铅酯	219-970-3	2587-82-8	
	Formic acid, lead salt 甲酸铅盐	230-336-5	7056-83-9	
	Lead(2+) octanoate 辛酸铅(二价)	230-784-1	7319-86-0	
	Diphenyllead dichloride 二苯基二氯化铅	218-325-3	2117-69-3	
	Hexaphenyldiplumbane 六苯基二铅烷	221-505-4	3124-01-4	
	Dilead chromate dihydroxide 铬酸二铅二氢氧化物	234-628-3	12017-86-6	
	Dodecairon lead nonadecaoxide 十九氧化十二铁铅	234-684-9	12023-90-4	
	Hafnium lead trioxide 三氧化铪铅	234-735-5	12029-23-1	
	Lead disodium dioxide 二氧化二钠铅	234-800-8	12034-30-9	
	Lead diniobium hexaoxide 六氧化二铌铅	234-814-4	12034-88-7	
	Lead tin trioxide 三氧化锡铅	234-844-8	12036-31-6	
	Lead oxide sulfate 硫酸氧化铅	234-853-7	12036-76-9	
	Bismuth, compound with lead (1:1) 铋铅化合物(1:1)	234-980-8	12048-28-1	
	Dilead oxide 氧化二铅	235-036-8	12059-89-1	
	Lead titanium trioxide 三氧化钛铅	235-038-9	12060-00-3	
	Lead zirconium trioxide 三氧化锆铅	235-039-4	12060-01-4	
	Lead ditantalum hexaoxide 六氧化二钽铅	235-065-6	12065-68-8	
	Pentalead tetraoxide sulphate 硫酸四氧化五铅	235-067-7	12065-90-6	
	Lead selenide 硒化铅	235-109-4	12069-00-0	
	Lead disulphide 二硫化铅	235-241-2	12137-74-5	
	Trilead dioxide phosphonate 磷酸三铅二氧化物	235-252-2	12141-20-7	
	Tetralead trioxide sulphate 硫酸三氧化四铅	235-380-9	12202-17-4	
	Lead chloride oxide 氯氧化铅	235-383-5	12205-72-0	
	Antimony, compound with lead (1:1) 锑铅化合物(1:1)	235-536-6	12266-38-5	
	Lead hydroxide nitrate 硝酸氢氧化铅	235-543-4	12268-84-7	
	(maleato)trioxotetralead 马来酸三氧化四铅	235-549-7	12275-07-9	
	Potassium pentadecaoxidiplumbatepentaniobate(1-) 五砷酸十五氧化二铅钾(1-)	235-618-1	12372-45-1	
	Dihydroxy[stypnato(2-)]dilead 二羟基[斯蒂芬酸根(2-)]二铅	235-642-2	12403-82-6	
	Lead germanate 锗酸铅	235-666-3	12435-47-1	
	Dioxobis(stearato)trilead 二氧双(硬脂酸)三铅	235-702-8	12578-12-0	
	Lead titanium zirconium oxide 钛铪酸铅氧化物	235-727-4	12626-81-2	
	Lead chromate molybdate sulfate red 铬钼硫酸铅红	235-759-9	12656-85-8	
	Lead tungsten oxide 氧化钨铅	235-792-9	12737-98-3	
	Lead oxide sulfate 硫酸氧化铅	235-803-7	12765-51-4	
	Stearic acid, lead salt 硬脂酸铅盐	231-068-1	7428-48-0	
	Lead sulphite 亚硫酸铅	231-196-8	7446-10-8	
	Lead sulphate PbSO4 硫酸铅PbSO4	231-198-9	7446-14-2	
	Lead selenate 硒酸铅	231-199-4	7446-15-3	
	Trilead bis(orthophosphate) 双(正磷酸)三铅	231-205-5	7446-27-7	
	Lead(2+) selenite 亚硒酸铅(二价)	231-300-1	7488-51-9	
	Lead(4+) stearate 硬脂酸铅(四价)	231-740-4	7717-46-6	
	Lead dichloride 二氯化铅	231-845-5	7758-95-4	
	Lead chromate 铬酸铅	231-846-0	7758-97-6	
	Lead tungsten tetraoxide 四氧化钨铅	231-849-7	7759-01-5	
	Lead difluoride 二氟化铅	231-998-8	7783-46-2	
	Lead(IV) fluoride 氟化铅(四价)	232-012-9	7783-59-7	
	Lead hydrogen arsenate 砷酸氢铅	232-064-2	7784-40-9	
	Pyrochlore, antimony lead yellow 烧绿石型锑黄	232-382-1	8012-00-8	
	Resin acids and Rosin acids, lead salts 树脂酸与松香酸铅盐	232-714-5	9008-26-8	
	Lead arsenite 亚砷酸铅	233-083-9	10031-13-7	
	Lead dibromide 二溴化铅	233-084-4	10031-22-8	
	Lead dinitrate 二硝酸铅	233-245-9	10099-74-8	
	Lead(2+) silicate 硅酸铅(二价)	233-246-4	10099-76-0	
	Lead divanadium hexaoxide 六氧化二钒铅	233-248-5	10099-79-3	
	Lead diiodide 二碘化铅	233-256-9	10101-63-0	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Lead molybdate 钼酸铅	233-459-2	10190-55-3	
	Lead diphosphate 二磷酸铅	233-664-7	10294-58-3	
	Residues, lead smelting 铅冶炼残渣	273-821-7	69029-79-4	
	Residues, precious metal recovery lead refining 贵金属回收精炼残渣	273-822-2	69029-80-7	
	Slags, lead smelting 铅冶炼炉渣	273-825-9	69029-84-1	
	Slags, precious metal recovery lead refining 贵金属回收精炼炉渣	273-826-4	69029-85-2	
	Slags, tellurium 碲渣	273-828-5	69029-86-3	
	Slimes and Sludges, lead refining 铅精炼泥浆与浮渣	273-833-2	69029-93-2	
	Lead, dross, copper-rich 富铜铅浮渣	273-925-2	69227-11-8	
	Lead, C6-19-branched carboxylate naphthenate complexes C6-19支链羧酸环烷酸铅配合物	274-302-8	70084-67-2	
	Lead(2+) nitrosorcinolate 硝基间苯二酚铅(二价)	274-521-9	70268-38-1	
	Lead, decanoate octanoate complexes 癸酸辛酸铅配合物	274-558-0	70321-55-0	
	Lead, alkyls, manufg. Wastes 铅烷基化合物制造废物	274-632-2	70513-89-2	
	Flue dust, lead blast furnace 铅鼓风炉烟尘	274-633-8	70514-05-5	
	Slimes and Sludges, lead sinter dust scrubber 铅烧结烟尘洗涤泥浆与浮渣	274-639-0	70514-37-3	
	Lead(2+) isooctadecanoate 异十八烷酸铅(二价)	274-822-5	70727-02-5	
	Lead(2+) neodecanoate 新癸酸铅(二价)	275-836-4	71684-29-2	
	Lead(II) fumarate 富马酸铅(二价)	275-845-3	71686-03-8	
	Hydroxy(neodecanoato-0)lead 羟基(新癸酸根-0)铅	275-988-1	71753-04-3	
	Lead bis(nonylphenolate) 双(壬基酚酸)铅	276-725-3	72586-00-6	
	Fatty acids, C9-11-branched, lead salts C9-11支链脂肪酸铅盐	279-755-5	81412-57-9	
	Lead, C5-23-branched carboxylate C4-10-fatty acid naphthenate complexes 支链羧酸-C4-10脂肪酸环烷酸铅配合物 C5-23	280-541-9	83711-45-9	
	Lead, C5-23-branched carboxylate naphthenate complexes C5-23支链羧酸环烷酸铅配合物	280-542-4	83711-46-0	
	Lead, C5-23-branched carboxylate naphthenate octanoate complexes C5-23支链羧酸环烷酸辛酸铅配合物	280-544-5	83711-47-1	
	Fatty acids, C14-26, lead salts C14-26脂肪酸铅盐	296-911-8	93165-26-5	
	Slags, lead-zinc smelting 铅锌冶炼炉渣	297-907-9	93763-87-2	
	2-ethylhexanoic acid, lead salt 2-乙基己酸铅盐	241-076-7	16996-40-0	
	(9Z,12Z)-octadeca-9,12-dienoic acid, lead salt (9Z,12Z)-十八碳-9,12-二烯酸铅盐	241-077-2	16996-51-3	
	Lead(II) maleate 马来酸铅(II)	241-430-0	17406-54-1	
	Bis(diethylthiocarbamate-S,S')lead 双(二乙基二硫代氨基甲酸-S,S')铅	241-534-6	17549-30-3	
	Cyclo-di-μ-oxo(μ-phthalato)trilead 环-二-μ-氧(μ-邻苯二甲酸)三铅	241-894-4	17976-43-1	
	Lead(2+) (R)-12-hydroxyoleate (R)-12-羟基油酸铅(2+)	236-010-9	13094-04-7	
	Lead(2+) 2,4-dinitrosorcinolate 2,4-二硝基间苯二酚铅(2+)	236-498-3	13406-89-8	
	Lead diazide 叠氮化铅	236-542-1	13424-46-9	
	Dilead pyrophosphate 焦磷酸二铅	236-629-4	13453-66-2	
	Lead thiosulphate 硫代硫酸铅	236-780-6	13478-50-7	
	Diantimony trilead octaoxide 八氧化三铅二锑	236-845-9	13510-89-9	
	Lead diperchlorate 高氯酸铅	237-125-7	13637-76-8	
	Lead fumarate 富马酸铅	237-220-3	13698-55-0	
	Lead disulphamide 二氨磺酸铅	237-379-9	13767-78-7	
	Lead bis(tetrafluoroborate) 双(四氟硼酸)铅	237-486-0	13814-96-5	
	Lead nitrite 亚硝酸铅	237-528-8	13826-65-8	
	Lead(2+) tellurium tetraoxide 四氧化碲铅(2+)	237-573-3	13845-35-7	
	Lead dimyristate 二肉豆蔻酸铅	250-924-5	32112-52-0	
	Lead dilinoleate 二亚油酸铅	251-602-7	33627-12-2	
	Lead dibromate 溴酸铅	251-796-3	34018-28-5	
	Lead(II) methylthiolate 甲硫醇铅(II)	252-324-9	35029-96-0	
	Lead cyanamide 氰化铅	252-377-8	35112-70-0	
	Orthoboric acid, lead(2+) salt 原硼酸铅(2+)盐	252-594-8	35498-15-8	
	Lead bis(3,5,5-trimethylhexanoate) 双(3,5,5-三甲基己酸)铅	252-746-3	35837-70-8	
	Lead bis(dipentylthiocarbamate) 双(二戊基二硫代氨基甲酸)铅	253-068-0	36501-84-5	
	Dilead diruthenium hexaoxide 六氧化二钌二铅	253-389-6	37194-88-0	
	Dilead dirhodium heptaoxide 七氧化二铑二铅	253-421-9	37240-96-3	
	Lead isophthalate 间苯二甲酸铅	254-128-9	38787-87-0	
	Lead chloride silicate 氯化硅酸铅	254-443-1	39390-00-6	
	Lead bis(2,4-dihydroxybenzoate) 双(2,4-二羟基苯甲酸)铅	255-375-5	41453-50-3	
	Lead bis(piperidine-1-carbodithioate) 双(哌啶-1-二硫代甲酸)铅	255-438-7	41556-46-1	
	Lead propionate 丙酸铅	255-883-7	42558-73-6	
	Dilead chromate oxide 铬酸氧化二铅	242-339-9	18454-12-1	
	Lead dilactate 二乳酸铅	242-666-7	18917-82-3	
	Lead bis(dimethylthiocarbamate) 双(二甲基二硫代氨基甲酸)铅	242-748-2	19010-66-3	
	Lead maleate 马来酸铅	242-832-9	19136-34-6	
	Lead palmitate 棕榈酸铅	243-135-2	19528-55-3	
	5,5,13,13-tetrahydro-4,5-dihydro-4,8,10,15-tetranitro-7,11-metheno-11H,13H-tetrazolo[1,5-c][1,7,3,5,2,6]dioxadiazadiplymbacyclododecine 5,5,13,13-四氢氮-4,5-二氢-4,8,10,15-四硝基-7,11-二甲基-11H,13H-四唑并[1,5-c][1,7,3,5,2,6]二氧杂二氮二铅环十二烯	243-204-7	19651-80-0	
	Lead hydroxide 氢氧化铅	243-310-3	19783-14-3	
	Phosphorodithioate 0,0-bis(1,3-dimethylbutyl), lead salt 0,0-双(1,3-二甲基丁基)二硫代磷酸铅盐	243-777-3	20383-42-0	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Myristic acid, lead salt 肉豆蔻酸铅盐	243-788-3	20403-41-2	
	Decanoic acid, lead salt 癸酸铅盐	243-789-9	20403-42-3	
	Lead cyanamide 氰氨铅盐	244-099-0	20890-10-2	
	Lead 2,4-dihydroxybenzoate 2,4-二羟基苯甲酸铅	244-118-2	20936-32-7	
	Lead silicate 硅酸铅	245-090-4	22569-74-0	
	Disodium lead N,N'-ethylenebis[N-(carboxylatomethyl)aminoacetate] N,N'-亚乙基双[N-(羧甲基)氨基乙酸]铅二钠	245-314-0	22904-40-1	
	3,5,5-trimethylhexanoic acid, lead salt 3,5,5-三甲基己酸铅盐	245-788-9	23621-79-6	
	Lead carbonate 碳酸铅	247-054-3	25510-11-6	
	Lead diiodate 碘酸铅	247-168-3	25659-31-8	
	Lead hexafluorosilicate 六氟硅酸铅	247-278-1	25808-74-6	
	Thiosulphuric acid, lead salt 硫代硫酸铅盐	247-566-7	26265-65-6	
	Neodecanoic acid, lead salt 新癸酸铅盐	248-369-9	27253-28-7	
	Isononanoic acid, lead salt 异壬酸铅盐	248-376-7	27253-41-4	
	Lead(2+) sebacate 癸二酸铅(2+)	249-660-3	29473-77-6	
	Lead didocosanoate 二十二二酸铅	249-719-3	29597-84-0	
	Lead bis(4-cyclohexylbutyrate) 双(4-环己基丁酸)铅	263-663-7	62637-99-4	
	Lead(2+) heptadecanoate 十七烷酸铅(2+)	264-123-3	63399-94-0	
	Lead bis(diisononylnaphthalenesulphonate) 双(二异壬基萘磺酸)铅	264-316-2	63568-30-9	
	Isooctanoic acid, lead salt 异辛酸铅盐	264-931-6	64504-12-7	
	Lead dibutanoate 二丁醇铅	265-457-2	65119-94-0	
	Lead(2+) 4,6-dinitro-o-cresolate 4,6-二硝基邻甲酚铅(2+)	265-460-9	65121-76-8	
	Lead 12-hydroxyoctadecanoate 12-羟基十八烷酸铅	265-492-3	65127-78-8	
	Bismuth lead ruthenium oxide 氧化铋铅钨	265-645-4	65229-22-3	
	Frits, chemicals 化学釉料	266-047-6	65997-18-4	
	Petrolatum (petroleum), oxidized, lead salt 氧化石油脂铅盐	266-853-8	67674-14-0	
	Dilead silicate sulphate 硅酸硫酸二铅	266-962-0	67711-86-8	
	Fatty acids, C12-18, lead salts C12-18脂肪酸铅盐	268-622-7	68131-60-2	
	Lead, 2-ethylhexanoate tall-oil fatty acids complexes 2-乙基己酸亚尔油脂肪酸铅配合物	269-090-9	68187-37-1	
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped 硫化镉(CdS)与硫化锌固体, 掺铜铅	269-773-1	68332-81-0	
	Fatty acids, C8-10-branched, lead salts, basic C8-10支链脂肪酸铅盐, 碱性	270-063-9	68409-79-0	
	Lead oxide (PbO), lead-contg. 氧化铅(PbO), 含铅	270-148-0	68411-78-9	
	Oils, menhaden, lead salts 鲱鱼油铅盐	270-321-0	68424-76-0	
	Hexanoic acid, dimethyl-, lead(2+) salt, basic 二甲基己酸铅(2+)盐, 碱性	270-498-4	68442-95-5	
	Hexanoic acid, 2-ethyl-, lead(2+) salt, basic 2-乙基己酸铅(2+)盐, 碱性	271-106-4	68515-76-4	
	Hexanoic acid, 3,5,5-trimethyl-, lead(2+) salt, basic 3,5,5-三甲基己酸铅(2+)盐, 碱性	271-108-5	68515-77-5	
	Lead, isooctanoate naphthenate complexes 异辛酸环烷酸铅配合物	271-110-6	68515-80-0	
	Sulphuric acid, barium lead salt 硫酸钡铅盐	255-896-8	42579-89-5	
	Lead naphthenate 环烷酸铅	256-790-4	50825-29-1	
	3-(triphenylplumbyl)-1H-pyrazole 3-(三苯基基)-1H-吡唑	256-968-1	51105-45-4	
	Nitroresorcinol, lead salt 硝基间苯二酚铅盐	257-133-4	51317-24-9	
	Trinitrochlorogluconol, lead salt 三硝基间苯三酚铅盐	257-135-5	51325-28-1	
	Acetic acid, lead salt, basic 乙酸铅盐, 碱性	257-175-3	51404-69-4	
	Octadecanoic acid, lead(2+) salt, tribasic 十八烷酸铅(2+)盐, 三碱式	257-645-8	52080-60-1	
	Sulfurous acid, lead salt, basic 亚硫酸铅盐, 碱性	257-762-4	52231-92-2	
	Lead methacrylate 甲基丙烯酸铅	258-041-7	52609-46-8	
	Sulfuric acid, lead salt, tetrabasic 硫酸铅盐, 四碱式	258-142-6	52732-72-6	
	Lead bis(isononanoate) 双(异壬酸)铅	258-222-0	52847-85-5	
	Phosphonic acid, lead salt, basic 膦酸铅盐, 碱性	258-787-3	53807-64-0	
	1,3,5-triazine-2,4,6-(1H,3H,5H)-trione, lead salt 1,3,5-三嗪-2,4,6-(1H,3H,5H)-三酮铅盐	259-227-0	54554-36-8	
	Dioxobis(stearato)di lead 二氧双(硬脂酸)二铅	260-043-8	56189-09-4	
	[phthalato(2-)]oxido lead [邻苯二甲酸根(2-)]氧二铅	260-590-2	57142-78-6	
	Lead bis(12-hydroxystearate) 双(12-羟基硬脂酸)铅	261-238-0	58405-97-3	
	Lead 5-nitroterephthalate 5-硝基对苯二甲酸铅	262-308-3	60580-60-1	
	Naphthenic acids, lead manganese salts 环烷酸铅锰盐	262-983-4	61788-52-1	
	Fatty acids, tall-oil, lead manganese salts 亚尔油脂肪酸铅锰盐	262-985-5	61788-53-2	
	Fatty acids, tall-oil, lead salts 亚尔油脂肪酸铅盐	262-986-0	61788-54-3	
	Naphthenic acids, lead salts 环烷酸铅盐	263-109-4	61790-14-5	
	Sulfurous acid, lead salt, dibasic 亚硫酸铅盐, 二碱式	263-467-1	62229-08-7	
	Bis(o-acetoxybenzoato)lead 双(邻乙酰氧基苯甲酸)铅	263-548-1	62451-77-8	
	Lead, C5-23-branched carboxylate C4-10-fatty acid complexes C5-23支链羧酸C4-10脂肪酸铅配合物	281-934-8	84066-98-8	
	Lead, C5-23-branched carboxylate octanoate complexes C5-23支链羧酸辛酸铅配合物	281-935-3	84066-99-9	
	Lead, C4-10-fatty acid naphthenate complexes C4-10脂肪酸环烷酸铅配合物	281-936-9	84067-00-5	
	Matte, lead 铅冰铜	282-356-9	84195-51-7	
	Slimes and Sludges, lead, electrolytic 电解铅泥浆与浮渣	282-365-8	84195-60-8	
	Speiss, lead 铅砷冰铜	282-366-3	84195-61-9	

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:

(i) 'jewellery articles' shall include jewellery and imitation jewellery articles and hair accessories, including:

(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:

(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;

(d) enamels, defined as vitrifiable mixtures resulting from the fusion, vitrification or sintering of minerals melted at a temperature of at least 500 ° C.

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.

6. By 9 October 2017, the Commission shall re-evaluate 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.

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. 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.

8. By way of derogation, paragraph 7 shall not apply to:

(a) jewellery articles covered by paragraph 1;

(b) crystal glass as defined in Annex I (categories 1, 2, 3 and 4) to Directive 69/493/EEC;

(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;

(d) enamels, defined as vitrifiable mixtures resulting from the fusion, vitrification or sintering of mineral melted at a temperature of at least 500 ° C;

(e) keys and locks, including padlocks;

(f) musical instruments;

(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;

(h) the tips of writing instruments;

(i) religious articles;

(j) portable zinc-carbon batteries and button cell batteries;

(k) articles within the scope of:

(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 (***)

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.

10. By way of derogation paragraph 7 shall not apply to articles placed on the market for the first time before 1 June 2016.

11. Doing either of the following acts after 15 February 2023 in or within 100 metres of wetlands is prohibited:

(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.

For the purposes of the first subparagraph:

(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.

The restriction set out 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

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Lead bis(p-octylphenolate) 双(对辛基苯酚酸)铅	282-756-3	84394-98-9	of the option granted by that paragraph.
	Fatty acids, C8-18 and C18-unsatd., lead salts C8-18及C18不饱和脂肪酸铅盐	283-962-6	84776-36-3	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:
	Fatty acids, C8-12, lead salts C8-12脂肪酸铅盐	283-980-4	84776-53-4	(a) the placing on the market of gunshot containing a concentration of lead (expressed as metal) equal to or greater than 1 % by weight;
	Fatty acids, C18-24, lead salts C18-24脂肪酸铅盐	283-982-5	84776-54-5	(b) the discharging of any such gunshot;
	[μ-(4,6-dinitroresorcinolato(2-)-01,03)]dihydroxydilead [μ-(4,6-二硝基间苯二酚根(2-)-01,03)]二羟基铅	284-297-4	84837-22-9	(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.
	Lead(II) isodecanoate 异癸酸铅(II)	284-345-4	84852-34-6	13. For the purposes of paragraphs 11 and 12:
	Lead, isononoate isooctanoate complexes, basic 异壬酸异辛酸铅配合物, 碱性	284-573-4	84929-94-2	(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;
	Lead, isooctanoate neodecanoate complexes, basic 异辛酸新癸酸铅配合物, 碱性	284-575-5	84929-95-3	(b) "gunshot" means pellets used or intended for use in a single charge or cartridge in a shotgun;
	Lead, naphthenate neodecanoate complexes, basic 环烷酸新癸酸铅配合物, 碱性	284-576-0	84929-96-4	(c) "shotgun" means a smooth-bore gun, excluding airguns;
	Lead, isononoate naphthenate complexes 异壬酸环烷酸铅配合物	284-577-6	84929-97-5	(d) "shooting" means any shooting with a shotgun;
	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., lead(2+) salts 4-C10-13仲烷基衍生物苯磺酸铅(2+)盐	284-665-4	84961-75-1	(e) "carrying" means any carrying on the person or carrying or transporting by any other means;
	Fatty acids, C8-10-branched, lead salts C8-10支链脂肪酸铅盐	285-212-3	85049-42-9	(f) in determining whether a person found with gunshot is carrying gunshot "as part of going shooting":
	Flue dust, lead-manufg., cadmium-rich 铅制烟灰尘, 富镉	285-554-3	85117-02-8	(i) regard shall be had to all the circumstances of the case;
	Lead(2+) 4-(1,1-dimethylethyl)benzoate 4-(1,1-二甲基乙基)苯甲酸铅(2+)	286-637-7	85292-77-9	(ii) the person found with the gunshot need not necessarily be the same person as the person shooting.
	Lead bis(5-oxo-L-prolinate) 双(5-氧代-L-脯氨酸)铅	286-935-7	85392-77-4	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.
	Lead bis(5-oxo-DL-prolinate) 双(5-氧代-DL-脯氨酸)铅	286-936-2	85392-78-5	15. Shall not be placed on the market or used in articles produced from polymers or copolymers of vinyl chloride ('PVC'), if the concentration of lead is equal to or greater than 0,1 % by weight of the PVC material.
	Lead uranate pigment 铀酸铅颜料	287-565-9	85392-79-4	16. Paragraph 15 shall apply with effect from 29 November 2024.
	Lead bis(tetracosylbenzenesulphonate) 双(二十四烷基苯磺酸)铅	288-691-7	85865-91-4	17. By way of derogation, paragraph 15 shall not apply to PVC articles containing recovered flexible PVC until 28 May 2025.
	Lead bis(didodecylbenzenesulphonate) 双[双十二烷基苯磺酸]铅	288-692-2	85865-92-5	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:
	1,2-Benzenedicarboxylic acid, lead(2+) salt, basic 1,2-苯二甲酸铅(2+)盐, 碱性	290-588-7	90193-83-2	(a) profiles and sheets for exterior applications in buildings and civil engineering works, excluding decks and terraces;
	Linseed oil, lead manganese salt 亚麻籽油铅锰盐	271-394-1	68553-17-3	(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;
	Oils, fish, lead salts 鱼油铅盐	271-396-2	68553-63-9	(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);
	Spinel, boron calcium lead silicon white 尖晶石型硼钙铅硅白	271-410-7	68555-05-5	(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;
	Spinel, lead silicon tin zinc white 尖晶石型铅锡锑锌白	271-412-8	68555-07-7	(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;
	Zinc sulfide (ZnS), copper and lead-doped 硫化锌(ZnS), 掺铜铅	271-598-0	68585-90-0	(f) fittings, excluding fittings for pipes for drinking water. 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. 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 ≥ 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. 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. By 28 May 2028, the Commission shall review this paragraph in light of new scientific information and, if appropriate, modify it accordingly.
	Lead(2+) dodecylphenolate 十二烷基苯酚铅(2+)	271-610-4	68586-21-0	19. By way of derogation, paragraph 15 shall not apply to:
	Fatty acids, C6-19-branched, lead salts, basic C6-19支链脂肪酸铅盐, 碱性	271-675-9	68603-83-8	(a) PVC-silica separators in lead acid batteries, until 28 May 2033;
	Octanoic acid, branched, lead salts, basic 支链辛酸铅盐, 碱性	271-698-4	68604-56-8	(b) articles covered by paragraph 1, in accordance with paragraphs 2 to 5, and by paragraph 7 in accordance with paragraphs 8 and 10;
	Fatty acids, tallow, hydrogenated, lead salts 氢化牛油脂脂肪酸铅盐	271-722-3	68605-98-1	(c) articles within the scope of:
	Plumbane, ethyl methyl derivs. 铅烷, 乙基甲基衍生物	271-852-0	68610-17-3	(i) Regulation (EC) No 1935/2004;
	Tungstate (WO42-), calcium (1:1), (T-4)-, lead-doped 钨酸钙(1:1), (T-4)-, 掺铅	272-255-8	68784-53-2	(ii) Directive 2011/65/EU;
	Silicic acid (H6Si2O7), barium magnesium strontium salt, lead-doped 硅酸(H6Si2O7), 钡镁锶盐, 掺铅	272-269-4	68784-74-7	(iii) Directive 94/62/EC;
	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped 硅酸(H2Si2O5), 钡盐(1:1), 掺铅	272-271-5	68784-75-8	(iv) Directive 2009/48/EC.
	Cadmium sulfide (CdS), copper and lead-doped 硫化镉(CdS), 掺铜铅	272-581-0	68891-87-2	20. By way of derogation, paragraph 15 shall not apply to PVC articles placed on the market until 28 November 2024.
	(R)-3,5,6-trihydroxy-4,6-bis(3-methylbut-2-enyl)-2-(3-methyl-2-oxobutyl)cyclohexa-2,4-dien-1-one, lead salt (R)-3,5,6-三羟基-4,6-双(3-甲基丁-2-烯基)-2-(3-甲基-2-氧代丁基)环己-2,4-二烯-1-酮铅盐	272-654-7	68891-11-1	(*) OJ L 326, 29.12.1969, p. 36. (**) Directive 2009/48/EC of the European Parliament and of the Council of 18 June 2009 on the safety of toys (OJ L 170, 30.6.2009, p. 1). (***) Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (OJ L 174, 1.7.2011, p. 88).
	α-d-Glucopyranose, 1-(dihydrogen phosphate), lead salt α-d-吡喃葡萄糖-1-(二氢磷酸)铅盐	272-655-2	68901-12-2	1. 如果珠宝饰品中任一独立部件的铅浓度(以金属铅计)等于或大于其重量的 0.05%, 则不得将该部件投放市场或在珠宝饰品中使用。
	Acetic acid, reaction products with lead oxide (PbO), silica and sulfuric acid 乙酸、氧化铅(PbO)、二氧化硅与硫酸反应产物	273-052-7	68937-05-3	2. 就第 1 款而言:
	[phthalato(2-)]dioxotrilead [邻苯二甲酸根(2-)]二氧三铅	273-688-5	69011-06-9	(i) 珠宝饰品: 应包括珠宝、仿制珠宝和发饰, 包括:
	Trilead chromate silicate 铬酸铅三硅酸盐	273-689-0	69011-07-0	(a) 手镯、项链和戒指;
	Lead alloy, base, dross 铅合金浮渣	273-700-9	69011-59-2	(b) 穿刺首饰;
	Lead alloy, base, Pb,Sn, dross 铅锡合金浮渣	273-701-4	69011-60-5	(c) 腕表及腕部饰品;
	Flue dust, lead-tin alloy-manufg. 锡铅合金制造烟尘	273-758-5	69012-60-8	(d) 胸针和袖扣。
	Flue dust, zinc-refining 锌精炼烟尘	273-760-6	69012-63-1	(ii) "任一独立部件"应包括制造珠宝所用的材料, 以及珠宝饰品的各个独立组成部分。
	Leach residues, zinc ore-calcine, zinc cobalt 锌矿焙砂浸出渣(含锌钴)	273-769-5	69012-72-2	3. 当第 1 款所述的独立部件为制造珠宝之目的而投放市场或使用, 该款亦应适用。
	Lead, dross, antimony-rich 富锑铅浮渣	273-791-5	69029-45-4	4. 作为豁免, 第 1 款不适用于:
	Lead, dross, bismuth-rich 富铋铅浮渣	273-792-0	69029-46-5	(a) 欧洲理事会第 69/493/EEC 号指令(*)附件 I (类别 1、2、3 和 4) 中定义的水晶玻璃;
	Dore 多尔合金(金银铋)	273-793-6	69029-47-6	(b) 消费者接触不到的钟表内部机芯;
	Lead, antimonal, dross 铋铅浮渣	273-795-7	69029-51-2	(c) 非合成或非再造的贵重及半贵重宝石(根据(EEC)第 2658/87 号法规确定的 CN 编码 7103), 除非它们经过铅或其化合物或含有这些物质的混合物处理;
	Lead, dross 铅浮渣	273-796-2	69029-52-3	(d) 珠珀, 定义为在至少 500 °C 的温度下熔化的矿物经熔融、玻璃化或烧结而成的可玻璃化混合物。
	Lead oxide (PbO), retort 铅氧化物(PbO, 蒸馏法)	273-797-8	69029-53-4	5. 作为豁免, 第 1 款不适用于 2013 年 10 月 9 日之前首次投放市场的珠宝饰品, 以及 1961 年 12 月 10 日之前生产的珠宝饰品。
	Slags, lead reveratory smelting 铅反射炉熔炼炉渣	273-800-2	69029-58-9	6. 至 2017 年 10 月 9 日, 欧盟委员会应根据新的科学信息(包括替代品的可用性)以及第 1 款所述物品中铅的迁移情况, 重新评估本条目, 并酌情进行相应修改。
	Zinc, desilverizing skims 锌脱银浮渣	273-802-3	69029-60-3	7. 如果物品或其可接触部件的铅浓度(以金属铅计)等于或大于其重量的 0.05%, 并且在正常或合理可预见的使用条件下, 儿童可能将该物品或其可接触部件放入口中, 则不得将该物品投放市场或供应给公众使用。
	Bismuth, refinery lead chloride residues 铋精炼氯化铅残渣	273-803-9	69029-61-4	如果能够提供无论是否有涂层, 从此类物品或其任何可接触部件释放的铅速率不超过每小时 0.05 微克/平方厘米(相当于 0.05 微克/克/小时), 并且对于有涂层的物品, 涂层足以确保在该物品正常或合理可预见的使用条件下至少两年内不超过此释放速率, 则不适用该限值。
	Flue dust, lead-refining 铅精炼烟尘	273-809-1	69029-67-0	就本款而言, 如果物品或其可接触部件在某一维度上尺寸小于 5 厘米, 或具有该尺寸的可拆卸或突出部件, 则认为儿童可能将其放入口中。
	Leach residues, lead slag 铅渣浸出残渣	273-812-8	69029-71-6	8. 作为豁免, 第 7 款不适用于:
	Leach residues, precious metal recovery lead refining 铅精炼贵金属回收浸出残渣	273-813-3	69029-72-7	(a) 第 1 款涵盖的珠宝饰品;
	Calcines, lead ore conc. 铅矿焙矿砂	273-815-4	69029-74-9	(b) 69/493/EEC 号指令附件 I (类别 1、2、3 和 4) 中定义的水晶玻璃;

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Residues, lead roaster 铅焙烧炉残渣	273-820-1	69029-78-3	(19) 欧洲议会和理事会第 2011/65/EU 号指令 (6)。
	Phenol, tetrapropylene-, lead(2+) salt 四聚丙烯酚铅盐	-	122332-23-4	9. 至 2019 年 7 月 1 日, 欧盟委员会应根据新的科学信息 (包括替代品的可用性以及第 7 款所述物质中铅的迁移情况, 包括对涂层完整性的要求) 重新评估本条第 7 款和第 8 款 (e)、(f)、(i)、(j) 项, 并酌情进行相应修改。
	Fatty acids, C4-20-branched, lead salts C4-20支链脂肪酸铅盐	-	125328-49-6	10. 作为豁免, 第 7 款不适用于 2016 年 6 月 1 日之前首次投放市场的物品。
	Lead, C9-28-neocarboxylate 2-ethylhexanoate complexes, basic lead的C9-28新羧酸2-乙基己酸盐复合物 (碱性)	-	125494-56-6	11. 自 2023 年 2 月 15 日起, 禁止在湿地内或距湿地 100 米范围内实施以下任何行为: (a) 射击铅浓度 (以金属铅计) 等于或大于其重量 1% 的弹丸; (b) 在湿地狩猎过程中或作为前往湿地狩猎的一部分, 携带任何此类弹丸。
	Ferrate (2-), [N,N-bis[2-(bis(carboxymethyl)amino)ethyl]glycinate (5-)]-, disodium 二钠[N,N-双[2-(双(羧甲基)氨基)乙基]甘氨酸根合(5-)]合高铁酸(2-)盐	-	12565-18-3	就第一段而言: (a) “距湿地 100 米范围内”指从湿地任何外部边界点向外 100 米范围内; (b) “湿地狩猎”指在湿地内或距湿地 100 米范围内进行的狩猎; (c) 如果发现某人在湿地内或距湿地 100 米范围内携带弹丸, 且其正在进行狩猎或作为前往狩猎活动的一部分, 则除非该人能证明是其他类型的狩猎, 否则应推定该狩猎为湿地狩猎。
	Chromic acid lead salt with lead molybdate 铬酸铅与钼酸铅的复合物	-	12709-98-7	如果成员国根据第 12 款通知欧盟委员会其打算使用该款授予的选择权, 则第一段规定的限制不适用于该国。12. 如果某一成员国领土总面积 (不包括领海) 的至少 20% 为湿地, 则该成员国可自 2024 年 2 月 15 日起, 在其全境范围内禁止以下行为, 以取代第 11 款第一段规定的限制: (a) 投放铅浓度 (以金属铅计) 等于或大于其重量 1% 的弹丸; (b) 射击任何此类弹丸; (c) 在狩猎过程中或作为前往狩猎的一部分, 携带任何此类弹丸。
	Ethanedioic acid, lead(2+) salt (1:1), trihydrate 乙二酸铅(2+)盐(1:1), 三水合物	-	128226-81-3	任何打算使用第一段授予的选择权的成员国, 应在 2021 年 8 月 15 日之前将此意向通知欧盟委员会。该成员国应立即, 无论如何不迟于 2023 年 8 月 15 日, 将其通过的国内措施文本通报给欧盟委员会。欧盟委员会应将其收到的任何此类意向通知和国家措施文本立即公开。
	Flue gases, lead-zinc blast furnace 铅锌鼓风炉烟气	298-735-7	93821-47-7	13. 截至第 11 款和第 12 款而言: (a) “湿地”指沼泽、水沼、泥炭地或水域, 无论是天然或人造、永久或暂时, 水体静止或流动, 淡水、微咸水或咸水, 包括低潮时水深不超过 6 米的海洋水域区域; (b) “弹丸”指在猎枪的一次装药或弹壳中使用或预期使用的弹丸; (c) “猎枪”指滑膛枪, 不包括气枪; (d) “狩猎”指任何使用猎枪进行的射击; (e) “携带”指任何随身携带或通过任何其他方式携带或运输; (f) 在确定被发现携带弹丸者是否属于“作为前往狩猎的一部分”携带弹丸时: (i) 应考虑案件的所有情况; (ii) 如发现携带弹丸者不一定是进行射击者本人。
	Slimes and Sludges, lead-zinc blast furnace, offgas wet cleaning 铅锌鼓风炉烟气湿法净化泥浆与污泥	298-758-2	93821-70-6	14. 成员国可以维持 2021 年 2 月 15 日已生效的、且比第 11 款规定更为严格地限制弹丸中铅含量的国家环境保护或人类健康法规。该成员国应立即将相关国家法规文本通报欧盟委员会。欧盟委员会应将其收到的任何此类国家法规文本立即公开。
	Speiss, lead-zinc 铅锌砷黄渣 (砷冰铜)	298-759-8	93821-72-8	15. 如果铅浓度等于或大于聚氯乙烯 (“PVC”) 材料重量的 0.1%, 则不得投放市场或在由氯乙烯聚合物或共聚物 (“PVC”) 生产的物品中使用。
	Lead 3-(acetamido)phthalate 3-(乙酰氨基)苯二甲酸铅	298-872-2	93839-98-6	16. 第 15 款自 2024 年 11 月 29 日起适用。
	Lead bis(2-ethylhexanoate) 双(2-乙基己酸)铅	298-879-0	93840-04-1	17. 作为豁免, 第 15 款不适用于含有回收硬质 PVC 的 PVC 物品, 豁免期限至 2025 年 5 月 28 日。
	Lead(2+) 4,4'-isopropylidenebisphenolate 铅(2+) 4,4'-异亚丙基联苯酚盐	299-255-0	93858-23-2	18. 作为豁免, 如果铅浓度低于回收硬质 PVC 重量的 1.5%, 则第 15 款不适用于以下含有回收硬质 PVC 的 PVC 物品, 豁免期限至 2033 年 5 月 28 日: (a) 用于建筑和土木工程外部应用的型材和板材, 不包括平台和露台; (b) 用于平台和露台的型材和板材, 前提是回收 PVC 用于中间层, 并完全被一层铅浓度低于重量 0.1% 的 PVC 或其他材料覆盖; (c) 用于建筑和土木工程隐蔽空间或架空空间的型材和板材 (在正常使用期间无法接触, 维护除外, 例如电缆管道); (d) 用于建筑内部应用的型材和板材, 前提是安装后朝向建筑物居住区域的型材或板材的整个表面是使用铅浓度低于重量 0.1% 的 PVC 或其他材料制成的; (e) 多层管道 (不包括饮用水管道), 前提是回收 PVC 用于中间层, 并完全被一层铅浓度低于重量 0.1% 的 PVC 或其他材料覆盖; (f) 管件, 不包括饮用水管道管件。
	Lead(2+) (Z)-hexadec-9-enoate 铅(2+) (Z)-十六碳-9-烯酸酯	299-256-6	93858-24-3	自 2026 年 5 月 28 日起, 从 (a) 至 (d) 项所述类别物品中回收的硬质 PVC, 应用于生产这些类别中任何类别的新物品。
	Lead(2+) ethylphenylidithiocarbamate 铅(2+) 乙基苯基二硫代氨基甲酸酯	299-550-4	93892-65-0	含有铅浓度等于或大于 PVC 材料重量 0.1% 的回收硬质 PVC 的 PVC 物品供应商, 在将这些物品投放市场之前, 应确保其上有清晰、易读且持久的标记, 注明: “含铅量 ≥ 0.1%”。若由于物品性质无法在物品上提供标记, 则应在物品包装上注明。
	Lead(2+) neonanoate 铅(2+) 壬基酸酯	299-747-5	93894-48-5	含有回收硬质 PVC 的 PVC 物品供应商应根据国家执法机构的要求, 提交证明文件以证实这些物品中 PVC 回收来源的声明。对于在欧盟生产的 PVC 物品, 可使用根据 EN 15343:2007 或同等认可标准开发的、用于提供可追溯性和回收成分证明的计划所颁发的证书来证实此类声明。对进口物品中 PVC 回收来源的声明, 应附有由独立第三方颁发的、能提供同等可追溯性和回收成分证明的证书。
	Lead(2+) neodecanoate 铅(2+) 十一酸酯	299-748-0	93894-49-6	19. 作为豁免, 第 15 款不适用于: (a) 铅酸蓄电池中的 PVC-二氧化硅隔板, 豁免期限至 2033 年 5 月 28 日; (b) 根据第 2 至 5 款涵盖于第 1 款的物品, 以及根据第 8 和 10 款涵盖于第 7 款的物品; (c) 属于以下法规/指令适用范围内的物品: (i) (EC) 第 1935/2004 号法规; (ii) 第 2011/65/EU 号指令; (iii) 第 94/62/EC 号指令; (iv) 第 2009/48/EC 号指令。
	(neonanoato-0) (neodecanoato-0) lead (新壬酸-0) (新十一酸-0) 铅	299-764-8	93894-64-5	20. 作为豁免, 第 15 款不适用于在 2024 年 11 月 28 日之前投放市场的 PVC 物品。
	Phosphoric acid, mixed Bu and hexyl diesters, lead(2+) salts 磷酸混合丁基和己基二酯铅(2+)盐	300-328-7	93925-27-0	附注: (6) OJ L 326, 29.12.1969, p. 36. (7) 欧洲议会和理事会 2009 年 6 月 18 日关于玩具安全的第 2009/48/EC 号指令 (OJ L 170, 30.6.2009, p. 1)。 (8) 欧洲议会和理事会 2011 年 6 月 8 日关于限制在电气电子设备中使用某些有害物质的第 2011/65/EU 号指令 (OJ L 174, 1.7.2011, p. 88)。
	Lead bis(isodecanoate) 双(异十一酸)铅	300-979-7	93965-29-8	
	Lead bis(tricosanoate) 双(二十三酸)铅	300-988-6	93966-37-1	
	Lead tetracosanoate 二十四酸铅	300-989-1	93966-38-2	
	Lead pentadecanoate 十五酸铅	301-027-3	93966-74-6	
	Lead(II) isoctanoate 异辛酸铅(II)	301-153-9	93981-67-0	
	Hexacosanoic acid, lead salt 二十六酸铅盐	301-357-8	94006-20-9	
	[μ-[5,5'-azobis[[H-tetrazolato]](2-)]dihydroxydilead [μ-[5,5'-偶氮双[[H-四唑]]]二羟二铅	301-376-1	94015-57-3	
	Lead diundec-10-enoate 双(10-十一碳烯酸)铅	303-968-5	94232-40-3	
	(isononanoato-0) (isooctanoato-0) lead (异壬酸-0) (异辛酸-0) 铅	304-157-9	94246-84-1	
	(isodecanoato-0) (isooctanoato-0) lead (异癸酸-0) (异辛酸-0) 铅	304-158-4	94246-85-2	
	(isodecanoato-0) (isononanoato-0) lead (异癸酸-0) (异壬酸-0) 铅	304-160-5	94246-86-3	
	(isodecanoato-0) (neodecanoato-0) lead (异癸酸-0) (新癸酸-0) 铅	304-161-0	94246-87-4	
	(2-ethylhexanoato-0) (isooctanoato-0) lead (2-乙基己酸-0) (异辛酸-0) 铅	304-164-7	94246-90-9	
	(2-ethylhexanoato-0) (isononanoato-0) lead (2-乙基己酸-0) (异壬酸-0) 铅	304-165-2	94246-91-0	
	(2-ethylhexanoato-0) (isodecanoato-0) lead (2-乙基己酸-0) (异癸酸-0) 铅	304-166-8	94246-92-1	
	(2-ethylhexanoato-0) (neodecanoato-0) lead (2-乙基己酸-0) (新癸酸-0) 铅	304-167-3	94246-93-2	
	2-Butenedioic acid (E)-, lead(2+) salt, basic (E)-2-丁烯二酸铅(2+)盐, 碱性	290-862-6	90268-59-0	
	2-Butenedioic acid (Z)-, lead(2+) salt, basic (Z)-2-丁烯二酸铅(2+)盐, 碱性	290-869-9	90268-66-9	
	Decanoic acid, branched, lead salts 支链癸酸铅盐	291-160-2	90342-24-8	
	Dodecanoic acid, lead salt, basic 十二酸铅盐, 碱性	291-195-3	90342-56-6	
	Hexadecanoic acid, lead salt, basic 十六酸铅盐, 碱性	291-388-2	90388-09-3	
	Hexadecanoic acid, lead(2+) salt, basic 十六酸铅(2+)盐, 碱性	291-389-8	90388-10-6	
	9-Hexadecenoic acid, lead(2+) salt, (Z)-, basic (Z)-9-十六碳烯酸铅(2+)盐, 碱性	291-395-0	90388-15-1	
	Isodecanoic acid, lead salt, basic 异癸酸铅盐, 碱性	291-536-6	90431-14-4	
	Isononanoic acid, lead salt, basic 异壬酸铅盐, 碱性	291-543-4	90431-21-3	
	Isooctanoic acid, lead salt, basic 异辛酸铅盐, 碱性	291-549-7	90431-26-8	
	Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes, overbased 铅与C8-10支链脂肪酸、C9-11新脂肪酸、环烷酸复合物, 高碱性	291-550-2	90431-27-9	
	Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes 铅与C8-10支链脂肪酸、C9-11新脂肪酸、环烷酸复合物	291-551-8	90431-28-0	
	Lead, 2-ethylhexanoate isodecanoate complexes, basic 铅与2-乙基己酸、异癸酸盐复合物, 碱性	291-552-3	90431-30-4	
	Lead, 2-ethylhexanoate isononanoate complexes, basic 铅与2-乙基己酸、异壬酸盐复合物, 碱性	291-553-9	90431-31-5	
	Lead, 2-ethylhexanoate isooctanoate complexes, basic 铅与2-乙基己酸、异辛酸盐复合物, 碱性	291-554-4	90431-32-6	
	Lead, 2-ethylhexanoate naphthenate complexes 铅与2-乙基己酸、环烷酸盐复合物	291-556-5	90431-33-7	
	Lead, 2-ethylhexanoate naphthenate complexes, basic 铅与2-乙基己酸、环烷酸盐复合物, 碱性	291-557-0	90431-34-8	
	Lead, 2-ethylhexanoate neodecanoate complexes, basic 铅与2-乙基己酸、新癸酸盐复合物, 碱性	291-558-6	90431-35-9	
	Lead, isodecanoate isononanoate complexes, basic 铅与异癸酸、异壬酸盐复合物, 碱性	291-559-1	90431-36-0	
	Lead, isodecanoate isooctanoate complexes, basic 铅与异癸酸、异辛酸盐复合物, 碱性	291-560-7	90431-37-1	
	Lead, isodecanoate naphthenate complexes 铅与异癸酸、环烷酸盐复合物	291-561-2	90431-38-2	
	Lead, isodecanoate neodecanoate complexes, basic 铅与异癸酸、新癸酸盐复合物, 碱性	291-562-8	90431-39-3	
	Lead, isononanoate naphthenate complexes, basic 铅与异壬酸、环烷酸盐复合物, 碱性	291-563-3	90431-40-6	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Lead, isononanoate neodecanoate complexes, basic 铅与异壬酸、新癸酸盐复合物, 碱性	291-564-9	90431-41-7	
	Lead, isooctanoate naphthenate complexes, basic 铅与异辛酸、环烷酸盐复合物, 碱性	291-565-4	90431-42-8	
	Lead, naphthenate neodecanoate complexes 铅与环烷酸、新癸酸盐复合物	291-567-5	90431-43-9	
	Lead, neononanoate neoundecanoate complexes, basic 铅与新壬酸、新十一酸盐复合物, 碱性	291-568-0	90431-44-0	
	Neodecanoic acid, lead salt, basic 新癸酸铅盐, 碱性	291-667-9	90459-25-9	
	Neononanoic acid, lead salt, basic 新壬酸铅盐, 碱性	291-668-4	90459-26-0	
	Neoundecanoic acid, lead salt, basic 新十一酸铅盐, 碱性	291-671-0	90459-28-2	
	Octadecanoic acid, lead salt, basic 十八酸铅盐, 碱性	291-695-1	90459-51-1	
	Octadecanoic acid, lead(2+) salt, basic 十八酸铅(2+)盐, 碱性	291-696-7	90459-52-2	
	9-Octadecenoic acid (Z)-, lead salt, basic (Z)-9-十八碳烯酸铅盐, 碱性	291-735-8	90459-88-4	
	2-Propenoic acid, 2-methyl-, lead salt, basic 2-甲基-2-丙烯酸铅盐, 碱性	292-141-1	90552-19-5	
	Sulfuric acid, lead(2+) salt, basic 硫酸铅(2+)盐, 碱性	292-204-3	90583-07-6	
	Sulfurous acid, lead(2+) salt, basic 亚硫酸铅(2+)盐, 碱性	292-237-3	90583-37-2	
	Tetradecanoic acid, lead salt, basic 十四酸铅盐, 碱性	292-267-7	90583-65-6	
	Fatty acids, C6-19-branched, lead salts C6-19支链脂肪酸铅盐	292-897-2	91002-20-9	
	Fatty acids, C8-9, lead salts C8-9脂肪酸铅盐	292-964-6	91031-60-6	
	Fatty acids, C8-10, lead salts C8-10脂肪酸铅盐	292-965-1	91031-61-7	
	Fatty acids, C16-18, lead salts C16-18脂肪酸铅盐	292-966-7	91031-62-8	
	Leach residues, zinc ore, lead-contg. 锌矿石浸出残渣(含铅)	293-314-4	91053-49-5	
	Naphthenic acids, lead (2+) salts 环烷酸铅(2+)盐	293-365-2	91078-81-8	
	Isodecanoic acid, lead(2+) salt, basic 异癸酸铅(2+)盐, 碱性	293-984-8	91671-82-8	
	Isocanoic acid, lead(2+) salt, basic 异辛酸铅(2+)盐, 碱性	293-985-3	91671-83-9	
	Isoundecanoic acid, lead(2+) salt, basic 异十一酸铅(2+)盐, 碱性	293-986-9	91671-84-0	
	Fatty acids, castor-oil, hydrogenated, lead salts 氢化蓖麻油脂肪酸铅盐	294-297-6	91697-36-8	
	Phosphorodithioic acid, mixed 0,0-bis(bu and pentyl) esters, lead(2+) salt 混合0,0-双(丁基和戊基)硫代磷酸铅(2+)盐	295-087-7	91783-10-7	
	Fatty acids, coco, lead salts 椰子油脂肪酸铅盐	295-368-4	92044-89-8	
	Naphthenic acids, lead salts, basic 环烷酸铅盐, 碱性	295-449-4	92045-67-5	
	Lead, C4-10-fatty acid octanoate complexes 铅与C4-10脂肪酸辛酸盐复合物	295-918-3	92200-92-5	
	Lead icosanoate (1:2) 二十酸铅(1:2)	304-438-6	94266-31-6	
	Lead icosanoate 二十酸铅	304-439-1	94266-32-7	
	Fatty acids, tallow, reaction products with lead oxide 牛油脂肪酸与氧化铅反应产物	305-196-4	94349-78-7	
	(isononanoato-0) (neodecanoato-0) lead (异壬酸-0)(新癸酸-0)铅	305-385-1	94481-58-0	
	Lead, zinc dross 铅锌浮渣	305-409-0	94551-60-7	
	Calclines, lead-zinc ore conc. 铅锌矿精矿焙砂	305-411-1	94551-62-9	
	Fumes, lead 铅烟尘	305-414-8	94551-66-3	
	Leach residues, copper-lead 铜铅浸出残渣	305-420-0	94551-72-1	
	Matte, copper-lead 铜铅铋(冰铜)	305-422-1	94551-74-3	
	Residues, lead smelting wastewater treatment 铅冶炼废水处理残渣	305-424-2	94551-78-7	
	Residues, lead-zinc smelting wastewater treatment 铅锌冶炼废水处理残渣	305-425-8	94551-79-8	
	Wastes, lead battery reprocessing 铅蓄电池再处理废物	305-445-7	94551-99-2	
	Waste solids, lead silver anode 铅银阳极废渣	305-449-9	94552-05-3	
	Lead(2+) isohexadecanoate 铅(2+)异十六酸酯	306-073-8	95892-13-0	
	Slimes and Sludges, lead acetate manuf. 乙酸铅制造泥浆与污泥	306-241-0	96690-46-9	
	Ferrite substances, magnetoplumbite-type, barium-cobalt-titanium 磁铅石型钡钴钛铁氧化物物质	307-023-8	97488-85-2	
	Magnetoplumbite, barium titanium zinc brown 磁铅石, 钡钛棕	307-613-5	97675-41-7	
	Lead, bullion 铅合金(粗铅锭)	308-011-5	97808-88-3	
	Lead fluoride hydroxide 氟化铅氢氧化物	308-169-5	97889-90-2	
	7-methyloctanoic acid, lead salt 7-甲基辛酸铅盐	308-331-5	97952-39-1	
	Nitric acid, lead(2+) salt, reaction products with sodium tin oxide 硝酸铅(2+)盐与锡酸钠反应产物	308-406-2	97953-08-7	
	Matte, precious metal 贵金属铋(冰铜)	308-506-6	98072-52-7	
	Slimes and Sludges, precious metal refining 贵金属精炼泥浆与污泥	308-516-0	98072-61-8	
	Speiss, lead, nickel-contg. 含镍铅神黄渣(神冰铜)	308-765-5	98246-91-4	
	Sulfuric acid, barium salt (1:1), lead-doped 硫酸钡盐(1:1), 掺铅	308-972-0	99328-54-8	
	Perchloric acid, reaction products with lead oxide (PbO) and triethanolamine 高氯酸与氧化铅(PbO)和三乙醇胺反应产物	309-027-5	99749-31-2	
	Silicic acid (H2SiO3), calcium salt (1:1), lead and manganese-doped 硅酸钙盐(1:1), 掺铅和锰	309-535-7	100402-96-8	
	Lead, dross, vanadium-zinc-contg. 含钒锌铅浮渣	309-638-7	100656-49-3	
	Matte, copper-lead, tellurium-contg. 含碲铜铅铋(冰铜)	309-642-9	100656-53-9	
	Flue dust, copper-lead blast furnace, cadmium-indium-enriched 铜铅鼓风炉烟尘(富集镉铟)	309-645-5	100656-55-1	
	Lead, isodecanoate naphthenate complexes, basic 铅与异癸酸、环烷酸盐复合物, 碱性	309-793-0	101012-92-4	
	Lead, isooctanoate neodecanoate complexes 铅与异辛酸、新癸酸盐复合物	309-808-0	101013-06-3	
	Phosphoric acid, calcium salt (1:1), solid soln. with calcium chloride, calcium fluoride, calcium oxide, phosphorus oxide (P2O5) and strontium oxide, lead and manganese-doped 磷酸钙盐(1:1)与氯化钙、氟化钙、氧化钙、五氧化二磷和氧化锶的固溶体, 掺铅和锰	310-002-6	102047-25-6	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Barium oxide (BaO), solid soln. with calcium oxide, strontium oxide and tungsten oxide (W03), lead-doped 氧化钡 (BaO) 与氧化钙、氧化锶和氧化钨 (W03) 的固溶体, 掺铅	310-023-0	102110-24-7	
	Boric acid (H3BO3), solid soln. with barium oxide, calcium oxide and strontium oxide, lead and manganese-doped 硼酸 (H3BO3) 与氧化钡、氧化钙和氧化锶的固溶体, 掺铅和锰	310-025-1	102110-26-9	
	Silicic acid, calcium salt, lead and manganese-doped 硅酸钙盐, 掺铅和锰	310-036-1	102110-36-1	
	Lead ores, concs., leached 铅矿石、精矿, 浸出后	310-049-2	102110-48-5	
	Residues, copper-iron-lead-nickel matte, sulfuric acid-insol. 铜铁铅镍硫酸酸不溶残渣	310-050-8	102110-49-6	
	Residues, precious metal refining cementation 贵金属精炼置换残渣	310-051-3	102110-50-9	
	Slimes and Sludges, battery scrap, antimony- and lead-rich 电池废料泥浆与污泥 (富锑和铅)	310-061-8	102110-60-1	
	Slimes and Sludges, copper conc. roasting off gas scrubbing, lead-mercury-selenium-contg. 铜精矿焙烧烟气洗涤泥浆与污泥 (含铅汞硒)	310-062-3	102110-61-2	
	Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg. 铜铅矿石焙烧烟气洗涤泥浆与污泥 (含砷)	310-063-9	102110-62-3	
	barium calcium cesium lead samarium strontium bromide chloride fluoride iodide europium doped 掺铅的溴化氯化氟化碘化钡钙铯钷钪	431-780-4	199876-46-5	
	Lead C3-13-alkanecarboxylate naphthenate complexes 铅的C3-13链烷羧酸萘酸复合物	616-735-0	79803-79-5	
	Acetic acid, oleic acid, candelilla wax, tallow, calcium-lead complex salt 乙酸、油酸、小烛树蜡、牛油, 钙铅复合物	614-927-9	69103-03-3	
	lead(2+) phosphonate 铅(2+) 膦酸盐	603-832-8	13453-65-1	
	lead(II) perchlorate trihydrate 高氯酸铅(II) 三水合物	638-754-3	13453-62-8	
	Lead, triphenyl(phenylthio)- (7C1) 三苯基(苯硫基)铅	654-801-0	15590-77-9	
	Plumbane, acetoxypripropyl- 三丙基铅乙酸酯	654-802-6	13266-07-4	
	triethylplumbane carbonitrile 三乙基铅甲腈	667-806-8	13732-17-7	
	Lead hexafluoro-silicate 六氟硅酸铅	677-594-9	1310-03-8	
	Boric acid (HBO2), lead(2+) salt, monohydrate 偏硼酸铅(2+)盐, 一水合物	677-597-5	10214-39-8	
	Lead picrate (dry) 苦味酸铅(干)	684-862-9	25721-38-4	
	1,3-Benzenediol, 2-nitro-, lead salt, basic 2-硝基-1,3-苯二酚铅盐, 碱性	685-313-6	68411-33-6	
	Plumbane dichlorodiethyl- 二氯二乙基铅烷	621-088-2	13231-90-8	
	Triethyllead acetate 三乙基乙酸铅	624-392-3	2587-81-7	
	Lead phthalocyanine 铅酞菁	628-401-1	15187-16-3	
	2-hydroxypropane-1,2,3-tricarboxylate;lead(2+);trihydrate 2-羟基丙烷-1,2,3-三羧酸铅(2+)盐, 三水合物	629-552-6	6107-83-1	
	Plumbane, tetrakis(1-methylethyl)- 四异丙基铅烷	-	14846-40-3	
	Lead and lead compounds (as Pb) 铅及铅化合物 (以Pb计)	-	14931-82-9	
	Acetic acid, lead(2+) salt, monohydrate 乙酸铅(2+)盐, 一水合物	-	15773-48-5	
	Phosphoric acid, lead salt 磷酸铅盐	-	16040-38-3	
	Phosphoric acid, lead(2+) salt (2:1) 磷酸铅(2+)盐 (2:1)	-	16180-04-4	
	198Pb 铅-198 (同位素)	-	16646-00-7	
	1,2-Benzenedicarboxylic acid, lead(2+) salt 1,2-苯二甲酸铅(2+)盐	-	18608-34-9	
	Acetic acid, lead(2+) salt, dihydrate 乙酸铅(2+)盐, 二水合物	-	22723-52-0	
	Phosphonic acid, lead(2+) salt 膦酸铅(2+)盐	-	24824-71-3	
	Lead, tetrapropyl- 四丙基铅	-	3440-75-3	
	Sulfuric acid, lead(2+) lead(4+) salt (3:1:1) 硫酸铅(2+)铅(4+)盐 (3:1:1)	-	35830-81-0	
	Tin alloy 锡合金	-	39412-44-7	
	Lead hydroxide oxide (Pb2(OH)2O) 羟基氧化铅 (Pb2(OH)2O)	-	1311-11-1	
	Carbonic acid, lead salt 碳酸铅盐	-	13427-42-4	
	Lead hydroxide oxide phosphite (Pb3(OH)0(P03)), hydrate (2:1) 羟基氧化亚磷酸铅 (Pb3(OH)0(P03)), 水合物 (2:1)	-	1344-40-7	
	Chloric acid, lead(2+) salt, monohydrate 氯酸铅(2+)盐, 一水合物	-	13510-96-8	
	Chromic acid (H2CrO4), lead(2+) potassium salt (2:1:2) 铬酸 (H2CrO4) 铅(2+)钾盐 (2:1:2)	-	13845-31-3	
	Silicic acid (H6Si2O7), barium zinc salt (1:1:2), lead-doped 硅酸 (H6Si2O7) 钡锌盐 (1:1:2), 掺铅	-	71799-66-1	
	Octadecanoic acid, barium lead salt 十八酸钡铅盐	-	73105-55-2	
	Carbamodithioic acid, phenylethyl-, lead salt 苯乙基硫羧酸铅盐	-	75790-73-7	
	Bismuth alloy, Bi 50, Pb 25, Cd 12, Sn 12 (L-pbbi50Sn12.5Cd12.5) 铋合金, Bi 50, Pb 25, Cd 12, Sn 12	-	76093-98-6	
	Pigment Lightfast Lead-Molybdate Orange OS (9C1) 颜料耐光铅钼橙OS	-	78690-68-3	
	2-[carboxylatomehyl(carboxymethyl)amino]acetate;lead(2+) 2-[羧甲基(羧甲基)氨基]乙酸铅(2+)盐	-	79849-02-8	
	Lead (II) hydroxide salicylate 铅(II) 水杨酸羟基化物	-	87903-39-7	
	Chromic acid (H2CrO4), lead(2+) sodium salt (2:1:2) 铬酸 (H2CrO4) 铅(2+)钠盐 (2:1:2)	-	93215-61-3	
	Lead, di-μ-hydroxy(2-methyl-4,6-dinitrophenolato-kappa0)(nitro-kappa0)di- 铅, 二-μ-羟基(2-甲基-4,6-二硝基苯酚根-k0)(硝酸根-k0)二-	-	96471-22-6	
	Lanthanum lead titanium zirconium oxide 钛钪酸钨铅	-	1227908-26-0	
	Lead, bis[bis(1-methylethyl)carbamodithioato-S,S']-, (T-4)- 双[双(1-甲基乙基)硫羧酸根-S,S']铅, (T-4)-	-	30051-53-7	
	Lead, bis[bis(2-methylpropyl)carbamodithioato-S,S']-, (T-4)- 双[双(2-甲基丙基)硫羧酸根-S,S']铅, (T-4)-	-	69090-73-9	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Lead, bis(dipropylcarbamodithioato-S,S')-, (T-4)- 双(二丙基硫羧酸根-S,S')铅, (T-4)-	-	70995-63-0	
	Lead sulfite 亚硫酸铅	-	25666-92-6	
	Hexafluorosilicate(2-), lead(2+) (1:1), tetrahydrate 六氟硅酸(2-)-铅(2+) (1:1), 四水合物	-	83689-82-1	
	Lead dichlorite 亚氯酸铅	-	13453-57-1	
	Lead chloride (PbCl ₂) 氯化亚铅 (PbCl ₂)	-	13931-84-5	
	Dilead dioxide 二氧化二铅	-	35229-41-5	
	Plumbane, tributylchloro- 三丁基氯铅烷	-	13302-14-2	
	Plumbane, chlorotripropyl- 三丙基氯铅烷	-	1520-71-4	
	Lead, diacetoxidiethyl- (7CI) 二乙酰氧基二乙基铅	-	15773-47-4	
	Plumbane, (4-bromobutyl) triphenyl- 三苯基(4-溴丁基)铅烷	-	16035-34-0	
	Plumbane, (4-azidobutyl) triphenyl- 三苯基(4-叠氮丁基)铅烷	-	16035-39-5	
	1H-Imidazole, 1-(tributylplumbyl)- 1-(三丁基铅基)-1H-咪唑	-	16128-42-0	
	Plumbane, bis(acetyloxy)dibutyl- 双(乙酰氧基)二丁基铅烷	-	2587-84-0	
	Plumbane, tris(acetyloxy)phenyl- 三(乙酰氧基)苯基铅烷	-	3076-54-8	
	Plumbane, triethyl[[[4-methylphenyl)sulfonyloxy]- 三乙基[[4-(甲基苯基)磺酰基]氧基]铅烷	-	43135-86-0	
	9H-Carbazole, 9-(triphenylplumbyl)- 9-(三苯基铅基)-9H-咔唑	-	56240-91-6	
	1H-Indole, 1-(triphenylplumbyl)- 1-(三苯基铅基)-1H-吲哚	-	56240-92-7	
	1H-Pyrrole, 1-(triphenylplumbyl)- 1-(三苯基铅基)-1H-吡咯	-	56240-93-8	
	Lead, triethyl-, oleate 三乙基铅油酸酯	-	63916-98-3	
	1H-Indole-1,3(2H)-dione, 4,5,6,7-tetrachloro-2-(triethylplumbyl)- 4,5,6,7-四氯-2-(三乙基铅基)-1H-异吲哚-1,3(2H)-二酮	-	73928-23-1	
	1H-1,2,3-Triazole-5-methanol, .alpha.,.alpha.-dimethyl-1-[4-((triphenylplumbyl)butyl)- α,α-二甲基-1-[4-(三苯基铅基)丁基]-1H-1,2,3-三唑-5-甲醇	-	73826-06-9	
	Plumbane, [(4-aminobenzoyl)oxy]triethyl- [(4-氨基苯甲酰基)氧基]三乙基铅烷	-	73928-17-3	
	Lead chromate sulfate (Pb ₉ (CrO ₄) ₅ (SO ₄) ₄) 铬硫酸铅 (Pb ₉ (CrO ₄) ₅ (SO ₄) ₄)	-	51899-02-6	
	Plumbane, tetrakis(1-methylpropyl)- 四仲丁基铅烷	-	65151-08-8	
	Resin acids and Rosin acids, calcium salts, polymers with lead resinate and saponid, linseed oil 树脂酸和松香酸钙盐, 与铅树脂酸盐及皂化亚麻籽油的聚合物	-	68139-27-5	
	Grounding oil 接地油(或:底油)	-	68152-99-8	
	2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethylbenzene, lead(2+) 2-methyl-2-propenoate (1:2) and alpha-(2-methyl-1-oxo-2-propen-1-yl)-omega-(2- methyl-1-oxo-2-propen-1-yl)oxy)poly(oxy-1,2-ethanediyl) 2-甲基-2-丙烯酸甲酯与乙烷基苯的聚合物, 及铅(2+) 2-甲基-2-丙烯酸酯(1:2)和α-(2- 甲基-1-氧代-2-丙烯-1-基)-ω-(2-甲基-1-氧代-2-丙烯-1-基)氧基)聚(氧-1,2-乙二基)	-	68155-47-5	
	Carboxylic acids, tall-oil, lead salts, basic 妥尔油羧酸铅盐, 碱性	-	68603-93-0	
	Castor oil, dehydrated, polymer with rosin, calcium lead zinc salt 脱水蓖麻油与松香的聚合物, 钙铅锌盐	-	68604-05-7	
	Acetic acid, reaction products with capric acid, caprylic acid, coconut oil, and hydrogenated tallow fatty acids, calcium, lead salts 乙酸与癸酸、辛酸、椰子油和氢化牛油脂肪酸的反应产物, 钙铅盐	-	68784-59-8	
	Silicic acid (H4SiO4), magnesium manganese(2+) zinc salt, arsenic and lead-doped 硅酸 (H4SiO4) 铁锰(2+) 锌盐, 掺砷和铅	-	68784-76-9	
	Gum rosin, litharge polymer 脂松香, 密陀僧聚合物	-	68952-91-0	
	Basic lead beta-resorcylate 碱性铅间苯二酚甲酸酯	-	68954-05-2	
	Gilsonite, polymer with cyclopentadiene, dicyclopentadiene and linseed oil, lead salts 硬沥青与环戊二烯、二环戊二烯及亚麻籽油的聚合物, 铅盐	-	68956-49-0	
	Gilsonite, linseed oil polymer, lead salt 硬沥青亚麻籽油聚合物铅盐	-	68989-89-9	
	Linseed oil, polymer with tung oil, lead salt 亚麻籽油与桐油的聚合物, 铅盐	-	68990-75-0	
	Antimonial lead 锑铅(合金)	-	69029-50-1	
	Acetic acid, capric acid, caprylic acid, coconut oil, hydrogenated tallow fatty acids, calcium-lead complex salt 乙酸、癸酸、辛酸、椰子油、氢化牛油脂肪酸, 钙铅复合盐	-	69103-04-4	
	Dehydrated castor oil fatty acids, glycerine, C36 fatty acid dimers, litharge polymer 脱水蓖麻油脂肪酸、甘油、C36脂肪酸二聚体、密陀僧聚合物	-	70879-91-3	
	Chromic acid (H2CrO4), lead(2) salt 铬酸 (H2CrO4) 铅(2+) 盐	-	15804-54-3	
	Plumbium, trimethyl- 三甲基铅鎗离子	-	14570-16-2	
	Diethyllead 二乙基铅	-	24952-65-6	
64	1,4-Dichlorobenzene 1,4-二氯苯	203-400-5	106-46-7	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. 无论作为物质本身, 还是作为混合物中的成分, 当其浓度等于或大于重量的1%时, 均不得投放市场或使用, 前提是该物质或混合物投放市场或用作卫生间、住宅、办公室或其他室内公共场所的空气清新剂或除臭剂。
	Inorganic ammonium salts 无机铵盐	-	-	
	Ammonium chromium bis(sulphate) 硫酸铬铵	236-923-2	13548-43-1	
	Diammonium lanthanum pentantrate 五硝酸镧二铵	236-968-8	13566-21-7	
	Diammonium manganese bis(sulphate) 硫酸锰铵	236-969-3	13566-22-8	

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	Ammonium diamminetetrakis(thiocyanato-N)chromate(1-) 四(异硫氰酸根合-N)二氨合铬(1-)铵	237-003-3	13573-16-5	
	Diammonium copper(2-) disulphate 硫酸铜铵	237-021-1	13587-25-2	
	Diammonium cobalt bis(sulphate) 硫酸钴铵	237-043-1	13596-46-8	
	Ammonium perhenate 高铼酸铵	237-075-6	13598-65-7	
	Diammonium gadolinium pentanitrate 五硝酸钆二铵	237-111-0	13628-49-4	
	Ammonium calcium trinitrate 硝酸钙铵	237-425-8	13780-11-5	
	Diammonium zinc disulphate 硫酸锌铵	237-483-4	13814-87-4	
	Diammonium tetrachloropalladate 四氯钯酸铵	237-498-6	13820-40-1	
	Diammonium tetrachloroplatinate 四氯铂酸铵	237-499-1	13820-41-2	
	Diammonium pentachloronitrosylruthenate 五氯亚硝酸钌酸铵	237-504-7	13820-58-1	
	Ammonium tetrafluoroborate 四氟硼酸铵	237-531-4	13826-83-0	
	Sulphuric acid, ammonium cerium salt 硫酸铈铵	237-557-6	13840-04-5	
	Ammonium pentafluorozirconate(1-) 五氟锆酸(1-)铵	237-596-9	13859-62-6	
	Ammonium sodium sulphate 硫酸钠铵	237-603-5	13863-45-1	
	Triammonium hexacyanoferrate 六氰合铁酸三铵	238-091-6	14221-48-8	
	Chromic acid, ammonium salt 铬酸铵	238-422-4	14445-91-1	
	Tetraammonium hexacyanoferrate 六氰合铁酸四铵	238-476-9	14481-29-9	
	Ammonium cobalt phosphate 磷酸钴铵	238-633-1	14590-13-7	
	Diammonium cerium(4+) trisulphate 三硫酸铈(4+)铵	238-682-9	14638-69-8	
	Diammonium tetrachlorozincate(2-) 四氯锌酸(2-)铵	238-687-6	14639-97-5	
	Triammonium pentachlorozincate(3-) 五氯锌酸(3-)三铵	238-688-1	14639-98-6	
	Diammonium magnesium bis(sulphate) 硫酸镁铵	238-782-2	14727-95-8	
	Beryllium diammonium tetrafluoride 四氟合铍酸二铵	238-948-4	14874-86-3	
	Ammonium scandium(3+) disulphate 二硫酸钪(3+)铵	239-145-1	15091-94-8	
	Nitric acid, ammonium calcium salt 硝酸钙铵	239-289-5	15245-12-2	
	Ammonium trifluorohydroxyborate(1-) 三氟羟硼酸(1-)铵	239-326-5	15283-48-4	
	Triammonium hexachlororhodate 六氯铼酸三铵	239-364-2	15336-18-2	
	Diammonium yttrium pentanitrate 五硝酸钇二铵	239-605-1	15552-06-4	
	Ammonium manganese phosphate 磷酸锰铵	239-688-4	15609-81-1	
	Diammonium neodymium pentanitrate 五硝酸钕二铵	239-721-2	15653-40-4	
	Diammonium tetrabromopalladate(2-) 四溴钯酸(2-)铵	239-731-7	15661-00-4	
	Diammonium hexachlororuthenate 六氯钌酸铵	242-552-7	18746-63-9	
	Diammonium hexachloropalladate 六氯钯酸铵	242-854-9	19168-23-1	
	Diammonium hexakis(thiocyanato)platinate 六(异硫氰酸根合)铂酸铵	243-002-9	19372-45-3	
	Diammonium oxobis(sulphato(2-)-O)titanate(2-) 二硫酸氧合钛酸(2-)铵	243-090-9	19468-86-1	
	Sulphuric acid, ammonium magnesium salt 硫酸镁铵	244-089-6	20861-69-2	
	Ammonium samarium(3+) disulphate 二硫酸钐(3+)铵	244-699-2	21995-29-9	
	Ammonium europium(3+) disulphate 二硫酸铕(3+)铵	244-700-6	21995-30-2	
	Ammonium gadolinium(3+) disulphate 二硫酸钆(3+)铵	244-701-1	21995-31-3	
	Ammonium lanthanum(3+) disulphate 二硫酸镧(3+)铵	244-702-7	21995-32-4	
	Ammonium praseodymium(3+) disulphate 二硫酸镨(3+)铵	244-703-2	21995-33-5	
	Ammonium neodymium(3+) disulphate 二硫酸钕(3+)铵	244-704-8	21995-34-6	
	Ammonium iron tetrachloride 四氯合铁酸铵	246-234-9	24111-12-9	
	Diammonium hexabromosmate(2-) 六溴钨酸(2-)铵	246-340-5	24598-62-7	
	Ammonium nickel trichloride 三氯合镍酸铵	246-378-2	24640-21-9	
	Diammonium aquapentachlororuthenate 一水五氯合钌酸铵	247-008-2	25461-53-4	
	Triammonium diaquaotachloro-μ-nitridodiruthenate(3-) 三水八氯-μ-亚硝酸合二钌酸(3-)三铵	248-399-2	27316-90-1	
	Ammonium bis(cyano-O)aurate 二氰合金酸(1-)铵	250-464-5	31096-40-9	
	Ammonium tetrachloraurate 四氯合金酸铵	250-476-0	31113-23-2	
	Triammonium tris(carbonato(2-)-O)hydroxyzirconate(3-) 三(碳酸根合)羟基合锆酸(3-)三铵	251-086-3	32535-84-5	
	Aluminate(2-), difluoro(phosphato(3-)-O)0-, ammonium hydrogen (1:1:1) 二氟(磷酸根合)铝酸(2-)铵氢盐(1:1:1)	-	11095-65-1	
	Cryptohalite 方解石(隐晶石)	-	1309-32-6	
	Ammonium Iron(II) Sulfate dodecahydrate 十二水合硫酸亚铁铵	616-517-5	7783-83-7	
	Vanadate(3-), hexafluoro-, triammonium salt 六氟钒酸(3-)三铵	621-084-0	13815-31-1	
	Ammonium tetrathiotungstate [(NH4)2WS4] 四硫代钨酸铵 [(NH4)2WS4]	628-727-4	13862-78-7	
	Ammonium chromic sulfate dodecahydrate 十二水合硫酸铬铵	680-414-1	10022-47-6	
	Nickel ammonium sulfate hexahydrate 六水合硫酸镍铵	680-452-9	7785-20-8	
	Selenious acid, ammonium salt (2:1) 亚硒酸铵(2:1)	-	25425-97-2	
	Sulfuric acid, ammonium magnesium salt (3:2:2) 硫酸镁铵(3:2:2)	-	27733-50-2	
	azanium;lanthanum(3+);tetrannitrate 硝酸镧铵	-	31178-09-3	
	Phosphoric acid, ammonium cadmium salt (1:1:1) 磷酸镉铵(1:1:1)	-	14520-70-8	
	Sulfuric acid, ammonium sodium salt, dihydrate 二水合硫酸钠铵	-	7783-10-0	
	Sulfuric acid, ammonium magnesium salt (2:2:1), hexahydrate 六水合硫酸镁铵(2:2:1)	-	7785-18-4	
	Ammonium cerous sulfate tetrahydrate 四水合硫酸亚铈铵	-	10049-02-2	
	Ammonium phosphotungstenate, trihydrate 三水合磷钨酸铵	-	12704-02-8	
	Ammonium 12-tungtophosphate 12-钨磷酸铵	-	1311-90-6	
	Cobalt ammonium complex 钴铵配合物	-	14695-95-5	
	Nitric acid, ammonium cerium(3+) salt (5:2:1) 硝酸铈铵(5:2:1)	-	15318-60-2	
	Tungstate(2-), dioxodithio-, diammonium (9CI) 二硫代二氧合钨酸(2-)铵(9CI)	-	16150-61-1	
	Triammonium uranyl pentafluoride 五氟化铀酸铵	-	12062-03-2	
	Carbonic acid, ammoniumplutonium salt (8CI) 碳酸铵(8CI)	-	24917-46-2	
	Uranic acid, diammonium salt, hydrate 铀酸铵水合物	-	28347-83-3	
65				<p>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/m³) under the test conditions specified in paragraph 4.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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> <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>1. 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或等于3ppm (2.12 mg/m³)。含有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>含有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>2. 第1条不适用于仅用于制造纤维素绝缘混合物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>3. 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>4. 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限值；</p> <p>(d) 相对湿度应为90%，而不是50%；</p> <p>(e) 应使用适当的方法来测量氨气的释放量；</p> <p>(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)。</p>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	Molybdate(2-), tetrafluorodioxo-, diammonium (8CI, 9CI) 四氟二氧合钼酸(2-)铵 (8CI, 9CI)	-	30291-63-5	
	Ammonium tetrachloroaluminate, NH ₄ AlCl ₄ 四氯铝酸铵, NH ₄ AlCl ₄	885-776-6	7784-14-7	
	Ammonium ferric chromate 铬酸铁铵	-	7789-08-4	
	Hexaammonium heptamolybdate 七钼酸六铵	234-722-4	12027-67-7	
	Ammonium wolframate 钨酸铵	234-732-9	12028-06-7	
	Tetramanganese nitride 氮化四锰	234-785-8	12033-07-7	
	Diammonium hexachlororhenate 六氯铼酸铵	234-991-8	12051-87-5	
	Ammonium molybdate(VI) 钼酸(VI)铵	236-031-3	13106-76-8	
	Diammonium tetraoxotellurate 四氧碲酸铵	236-622-6	13453-06-0	
	Ammonium dihydrogenarsenate 砷酸二氢铵	236-667-1	13462-93-6	
	Diammonium nickel bis(sulphate) 硫酸镍铵	239-793-5	15699-18-0	
	Triammonium hexachloroiridate 六氯铱酸三铵	239-842-0	15752-05-3	
	Ammonium hexafluorosilicate 六氟硅酸铵	240-968-3	16919-19-0	
	Ammonium hexafluorozirconate 六氟锆酸铵	240-970-4	16919-31-6	
	Diammonium hexachloroplatinate 六氯铂酸铵	240-973-0	16919-58-7	
	Diammonium hexachlorostannate 六氯锡酸铵	241-033-2	16960-53-5	
	Ammonium hexafluorotitanate 六氟钛酸铵	241-036-9	16962-40-6	
	Ammonium hexafluorogermanate(4) 六氟锗酸铵(4)	241-037-4	16962-47-3	
	Triammonium heptafluorozirconate(3-) 七氟锆酸(3-)三铵	241-283-2	17250-81-6	
	Ammonium hexabromoplatinate 六溴铂酸铵	241-394-6	17363-02-9	
	Tetraammonium uranyl tricarbonate, of uranium depleted in uranium-235 三碳酸铀酸四铵(铀-235贫化铀)	241-988-5	18077-77-5	
	Diammonium tetracyanoplatinate 四氰铂酸铵	209-237-6	562-79-8	
	Tetraammonium cerium tetrakis(sulphate) 四硫酸铈四铵	231-567-4	7637-03-8	
	Ammonium selenite 亚硒酸铵	231-983-6	7783-19-9	
	Ammonium selenate 硒酸铵	231-985-7	7783-21-3	
	Diammonium diuranium heptaoxide 七氧化二铀二铵	231-986-2	7783-22-4	
	Triammonium hexafluoroaluminate 六氟铝酸三铵	232-052-7	7784-19-2	
	Aluminium ammonium bis(sulphate) 硫酸铝铵	232-055-3	7784-25-0	
	Diammonium hydrogenarsenate 砷酸氢铵	232-067-9	7784-44-3	
	Tetraammonium disodium vanadate 钒酸二钠四铵	235-012-7	12055-09-3	
	Diammonium hexachloroosmate 六氯铋酸铵	235-188-5	12125-08-5	
	Ammonium trivanadium octaoxide 八氧化三钒铵	235-384-0	12207-63-5	
	Diammonium tetratungsten tridecaoxide 十三氧化四钨二铵	235-638-0	12398-61-7	
	Tetraammonium hexamolybdate 六钼酸四铵	235-650-6	12411-64-2	
	Ammonium chromate 铬酸铵	232-138-4	7788-98-9	
	Ammonium dichromate 重铬酸铵	232-143-1	7789-09-5	
	Ammonium trioxovanadate 三氧钒酸铵	232-261-3	7803-55-6	
	Diammonium iron bis(sulphate) 硫酸亚铁铵	233-151-8	10045-89-3	
	Ammonium iron phosphate 磷酸铁铵	233-255-3	10101-60-7	
	Ammonium iron bis(sulphate) 硫酸铁铵	233-382-4	10138-04-2	
	Ammonium wolframate 钨酸铵	234-364-9	11120-25-5	
	Diammonium tetraborate 四硼酸二铵	234-513-8	12007-58-8	
66	4,4'-isopropylidenediphenol 4,4'-异丙叉二酚	201-245-8	80-05-7	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。
	C9-C14 linear and/or branched perfluorocarboxylic acids (C9-C14 PFCAs), their salts and C9-C14 PFCAs-related substances, perfluorononan-1-oic acid (PFNA); nonadecafluorodecanoic acid (PFDA); heneicosafuoroundecanoic acid (PFUnDA); tricosafuorododecanoic acid (PFTrDA); pentacosafuorotridecanoic acid (PFPeDA); heptacosafuorotetradecanoic acid (PFHpDA); including their salts and precursors *C9-C14 直链和/或支链全氟羧酸 (C9-C14 PFCAs)、其盐类以及 C9-C14 全氟羧酸相关物质, 具体包括: 全氟壬酸 (PFNA)、全氟癸酸 (PFDA)、全氟十一酸 (PFUnDA)、全氟十二酸 (PFDoDA)、全氟十三酸 (PFTrDA)、全氟十四酸 (PFPeDA), 以及它们的盐类和前体物质。”	-	-	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 PFCAs-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 PFCAs-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; (ii) the manufacture of polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF) for the production of: — 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 5. By way of derogation to paragraph 2, the use of C9-C14 PFCAs, their salts and C9-C14 PFCAs-related substances shall be allowed until 4 July 2025 for: (i) lithography 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: — fire-fighting foam that contains or may contain C9-C14 PFCAs, their salts and C9-C14 PFCAs-related substances shall not be used for training; — fire-fighting foam that contains or may contain C9-C14 PFCAs, their salts and C9-C14 PFCAs-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 PFCAs-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 PFCAs-related substances shall be managed in accordance with Article 5 of Regulation (EU) 2019/1021. 6. Paragraph 2(c) shall not apply to articles placed on the market before 25 February 2023. 7. Paragraph 2 shall not apply to the can coating for pressurised metered-dose inhalers until 25 August 2028. 8. Paragraph 2 (c) shall apply from 31 December 2023 to: (a) semiconductors on their own; (b) semiconductors incorporated in semi-finished and finished electronic equipment. 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. 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
	Pentacosafuorotridecanoic acid 二十五氟十三烷酸 (全氟十三烷酸)	276-745-2	72629-94-8	
	Tricosafuorododecanoic acid 二十三氟十二烷酸 (全氟十二烷酸)	206-203-2	307-55-1	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
68	Henicosafluoroundecanoic acid 二十一氟十一烷酸（全氟十一烷酸）	218-165-4	2058-94-8	<p>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 PFCAs-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. 自 2023年2月25日起, 不得制造或作为物质本身投放市场。 2. 自 2023年2月25日起, 不得用于或以以下列形式投放市场: (a) 作为成分存在于另一种物质中; (b) 存在于混合物中; (c) 存在于物品中。 除非该物质、混合物或物品中 C9-C14全氟羧酸及其盐类的总浓度低于 25 ppb, 或 C9-C14全氟羧酸相关物质的总浓度低于 260 ppb。 3. 作为第2款的豁免, 若 C9-C14全氟羧酸、其盐类及C9-C14全氟羧酸相关物质的总浓度限值为 10 ppm, 且存在于用作运输分离中间体的物质中, 前提是其用于制造全氟碳链长度等于或短于6个原子的氟化学品时, 符合本条例第18条第4款(a)至(f)项规定的条件。欧盟委员会应不迟于 2023年8月25日 审议该限值。 4. 第2款的规定自 2023年7月4日起 适用于: (i) 用于油污和防水、以保护工人免受危及健康与安全的危险液体侵害的纺织品; (ii) 用于生产以下产品的聚四氟乙烯 (PTFE) 和聚偏氟乙烯 (PVDF) 的制造: — 高性能耐腐蚀气体过滤膜、水过滤膜及医用纺织品膜; — 工业废热换热设备; — 能够防止挥发性有机化合物和PM2.5颗粒泄漏的工业密封剂。 作为第2款的豁免, C9-C14全氟羧酸、其盐类及C9-C14全氟羧酸相关物质 的使用在以下用途中可允许至 2023年7月4日: (i) 半导体制造中的光刻或蚀刻工艺; (ii) 应用于薄膜的照相涂层; (iii) 侵入性和植入式医疗器械; (iv) 已安装在系统 (包括移动和固定系统) 中, 用于抑制液体燃料蒸汽和扑灭液体燃料火灾 (B类火灾) 的消防泡沫, 但须符合以下条件: — 含有或可能含有C9-C14全氟羧酸、其盐类及C9-C14全氟羧酸相关物质的消防泡沫不得用于培训; — 含有或可能含有上述物质的消防泡沫不得用于测试, 除非所有排放物均被 containment (收集处理); — 自2023年1月1日起, 含有或可能含有上述物质的消防泡沫允许在能够 containment 所有排放物的场所使用; — 含有或可能含有上述物质的消防泡沫库存应根据欧盟法规(EU) 2019/1021第5条进行管理。 6. 第2款(c)项不适用于 2023年2月25日前 已投放市场的物品。 7. 第2款的规定在 2023年8月25日前 不适用于压力定量吸入器的罐内涂层。 8. 第2款(c)项自 2023年12月31日起 适用于: (a) 半导体本身; (b) 半导体 (当其被纳入半成品和成品电子设备中时)。 9. 第2款(c)项自 2030年12月31日起 适用于, 用于在 2023年12月31日前 已投放市场的成品电子设备的备用件或替换件中的半导体。 10. 在 2024年8月25日前, 对于含有全氟烷基氧基的氟塑料和氟橡胶中C9-C14全氟羧酸的总浓度, 第2款提及的限值为 2000 ppb。自 2024年8月25日起, 该限值应降至 100 ppb。在含有全氟烷基氧基的氟塑料和氟橡胶的制造和使用过程中, 应避免C9-C14全氟羧酸的所有排放, 如无法避免, 则应在技术和实践可行范围内尽可能减少。此豁免不适用于第2款(c)项所述的物品。欧盟委员会应不迟于 2024年8月25日 审议此豁免。 11. 对于通过电离辐射或热降解生产的PTFE微粉, 以及含有此类PTFE微粉的工业及专业用途混合物和物品中C9-C14全氟羧酸的总浓度, 第2款提及的限值为 1000 ppb。在PTFE微粉的制造和使用过程中, 应避免C9-C14全氟羧酸的所有排放, 如无法避免, 则应在技术和实践可行范围内尽可能减少。欧盟委员会应不迟于 2024年8月25日 审议此豁免。 12. 为本条之目的, C9-C14全氟羧酸相关物质 是指根据其分子结构被认为有可能降解或转化为C9-C14全氟羧酸的物质。</p>
	Perfluorononan-1-oic acid 全氟壬酸	206-801-3	375-95-1	
	Heptacosafuorotetradecanoic acid 二十七氟十四烷酸（全氟十四烷酸）	206-803-4	376-06-7	
	Nonadecafluorodecanoic acid 十九氟癸烷酸（全氟癸酸）	206-400-3	335-76-2	
69	Methanol 甲醇	200-659-6	67-56-1	<p>Shall not be placed on the market to the general public after 9 May 2019 in windshield washing or defrosting fluids, in 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。</p>
	Octamethylcyclotrisiloxane (D4); Decamethylcyclopentasiloxane (D5); dodecamethylcyclohexasiloxane (D6) 八甲基环四硅氧烷 (D4); 十甲基环五硅氧烷 (D5); 十二甲基环六硅氧烷 (D6)	-	-	<p>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 (4) 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; (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. 4. By way of derogation, paragraph 1 shall not apply to the: (a) placing on the market of D4, D5 and D6 for the following industrial uses: — as a monomer in the production of silicone polymer,</p>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
70	Dodecamethylcyclohexasiloxane 十二甲基环六硅氧烷	208-762-8	540-97-6	<p>—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; (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; (c) placing on the market of D5 for professional use in the cleaning or restoration of art and antiques; (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. 5. By way of derogation, paragraph 1, point (b), shall not apply to the placing on the market of D4, D5 and D6; — as a constituent of a silicone polymer on its own, — as a constituent of a silicone polymer in a mixture derogated under paragraph 6. 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: (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; (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; (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. 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. 1. 自 2026年6月6日起, 不得以下列形式投放市场: (a) 作为物质本身; (b) 作为其他物质的成分; 或 (c) 存在于混合物中; 且其在该物质、其他物质或混合物中的浓度(以重量计)大于或等于 0.1%。 2. 自 2026年6月6日起, 不得用作纺织品、皮革和毛皮的干洗溶剂。 3. 作为豁免: (a) 对于冲洗型化妆品中的 D4 和 D5, 第1款(c)项的规定应自 2020年1月31日起适用。 为本项之目的, “冲洗型化妆品”指欧洲议会和理事会第(EC) 1223/2009号法规(*)第2条第1款(a)项所定义的、在正常使用条件下, 使用后需用水冲洗的化妆品; (b) 对于除第3(a)款所述化妆品外的所有其他化妆品, 第1款的规定应自 2027年6月6日起适用; (c) 对于欧洲议会和理事会第(EU) 2017/745号法规第1条第1款及第(EU) 2017/746号法规第1条第2款所定义的器械, 第1款的规定应自 2031年6月6日起适用; (d) 对于第2001/83/EC号指令第1条第2点所定义的人用药品, 以及第(EU) 2019/6号法规(*)第4条第1款所定义的兽药, 第1款的规定应自 2031年6月6日起适用; (e) 对于 D5 作为纺织品、皮革和毛皮的干洗溶剂, 第1款和第2款的规定应自 2034年6月6日起适用。 4. 作为豁免, 第1款不适用于因下列目的而投放市场的 D4、D5 和 D6: (a) 用于以下工业用途: — 作为生产硅酮聚合物(有机硅聚合物)的单体, — 作为生产其他含硅物质的中间体, — 作为聚合反应中的单体, — 用于配制或(重新)包装混合物, — 用于生产物品, — 用于非金属表面处理; (b) 用于制造欧洲议会和理事会第(EU) 2017/745号法规第1条第4款所定义的、用于疤痕和伤口治疗护理、伤口预防以及造口护理的器械的 D5 和 D6; (c) 用于艺术品和古董的专业清洁或修复的 D5; (d) 在受控条件下进行的研究活动中, 用作实验室试剂的 D4、D5 和 D6。 5. 作为豁免, 第1款(b)项不适用于以下列形式投放市场的 D4、D5 和 D6: — 作为硅酮聚合物(有机硅聚合物)本身的成分, — 作为符合第6款豁免条件的混合物中的硅酮聚合物(有机硅聚合物)成分。 6. 作为豁免, 第1款(c)项不适用于在下列条件下投放市场的、含有作为硅酮聚合物残留物的 D4、D5 或 D6 的混合物: (a) D4、D5 或 D6 在混合物中浓度(以重量计) ≤ 1%, 用于粘合、密封、胶粘和浇筑; (b) D4 浓度(以重量计) ≤ 0.5%, 或 D5、D6 浓度(以重量计) ≤ 0.2%, 用于保护涂层(包括船舶涂层); (c) D4、D5 或 D6 在混合物中浓度(以重量计) ≤ 0.2%, 用于制造第(EU) 2017/745号法规第1条第4款及第(EU) 2017/746号法规第1条第2款所定义的、除第6(d)款所述器械外的其他器械; (d) D5 在混合物中浓度(以重量计) ≤ 0.3%, 或 D6 浓度(以重量计) ≤ 1%, 用于制造第(EU) 2017/745号法规第1条第4款所定义的、用于牙科印模的器械; (e) D4 在混合物中浓度(以重量计) ≤ 0.2%, 或 D5、D6 在混合物中浓度(以重量计) ≤ 1%, 用于制造马蹄用硅酮蹄垫或马蹄铁; (f) D4、D5 或 D6 在混合物中浓度(以重量计) ≤ 0.5%, 用于附着力促进剂; (g) D4、D5 或 D6 在混合物中浓度(以重量计) ≤ 1%, 用于 3D打印; (h) D5 在混合物中浓度(以重量计) ≤ 1%, 或 D6 浓度(以重量计) ≤ 3%, 用于快速原型制造和模具制作, 或用于石英填料稳定的高性能用途; (i) D5 或 D6 在混合物中浓度(以重量计) ≤ 1%, 用于移印或印刷胶垫的制造; (j) D6 在混合物中浓度(以重量计) ≤ 1%, 用于艺术品和古董的专业清洁或修复。 7. 作为豁免, 第1款和第2款不适用于投放市场以供使用, 或实际使用 D5 作为严格控制的封闭式干洗系统中, 用于纺织品、皮革和毛皮的溶剂, 且该清洁剂被回收或焚烧处理。</p>
	Octamethylcyclotetrasiloxane 八甲基环四硅氧烷	209-136-7	556-67-2	<p>1. 自 2026年6月6日起, 不得以下列形式投放市场: (a) 作为物质本身; (b) 作为其他物质的成分; 或 (c) 存在于混合物中; 且其在该物质、其他物质或混合物中的浓度(以重量计)大于或等于 0.1%。 2. 自 2026年6月6日起, 不得用作纺织品、皮革和毛皮的干洗溶剂。 3. 作为豁免: (a) 对于冲洗型化妆品中的 D4 和 D5, 第1款(c)项的规定应自 2020年1月31日起适用。 为本项之目的, “冲洗型化妆品”指欧洲议会和理事会第(EC) 1223/2009号法规(*)第2条第1款(a)项所定义的、在正常使用条件下, 使用后需用水冲洗的化妆品; (b) 对于除第3(a)款所述化妆品外的所有其他化妆品, 第1款的规定应自 2027年6月6日起适用; (c) 对于欧洲议会和理事会第(EU) 2017/745号法规第1条第1款及第(EU) 2017/746号法规第1条第2款所定义的器械, 第1款的规定应自 2031年6月6日起适用; (d) 对于第2001/83/EC号指令第1条第2点所定义的人用药品, 以及第(EU) 2019/6号法规(*)第4条第1款所定义的兽药, 第1款的规定应自 2031年6月6日起适用; (e) 对于 D5 作为纺织品、皮革和毛皮的干洗溶剂, 第1款和第2款的规定应自 2034年6月6日起适用。 4. 作为豁免, 第1款不适用于因下列目的而投放市场的 D4、D5 和 D6: (a) 用于以下工业用途: — 作为生产硅酮聚合物(有机硅聚合物)的单体, — 作为生产其他含硅物质的中间体, — 作为聚合反应中的单体, — 用于配制或(重新)包装混合物, — 用于生产物品, — 用于非金属表面处理; (b) 用于制造欧洲议会和理事会第(EU) 2017/745号法规第1条第4款所定义的、用于疤痕和伤口治疗护理、伤口预防以及造口护理的器械的 D5 和 D6; (c) 用于艺术品和古董的专业清洁或修复的 D5; (d) 在受控条件下进行的研究活动中, 用作实验室试剂的 D4、D5 和 D6。 5. 作为豁免, 第1款(b)项不适用于以下列形式投放市场的 D4、D5 和 D6: — 作为硅酮聚合物(有机硅聚合物)本身的成分, — 作为符合第6款豁免条件的混合物中的硅酮聚合物(有机硅聚合物)成分。 6. 作为豁免, 第1款(c)项不适用于在下列条件下投放市场的、含有作为硅酮聚合物残留物的 D4、D5 或 D6 的混合物: (a) D4、D5 或 D6 在混合物中浓度(以重量计) ≤ 1%, 用于粘合、密封、胶粘和浇筑; (b) D4 浓度(以重量计) ≤ 0.5%, 或 D5、D6 浓度(以重量计) ≤ 0.2%, 用于保护涂层(包括船舶涂层); (c) D4、D5 或 D6 在混合物中浓度(以重量计) ≤ 0.2%, 用于制造第(EU) 2017/745号法规第1条第4款及第(EU) 2017/746号法规第1条第2款所定义的、除第6(d)款所述器械外的其他器械; (d) D5 在混合物中浓度(以重量计) ≤ 0.3%, 或 D6 浓度(以重量计) ≤ 1%, 用于制造第(EU) 2017/745号法规第1条第4款所定义的、用于牙科印模的器械; (e) D4 在混合物中浓度(以重量计) ≤ 0.2%, 或 D5、D6 在混合物中浓度(以重量计) ≤ 1%, 用于制造马蹄用硅酮蹄垫或马蹄铁; (f) D4、D5 或 D6 在混合物中浓度(以重量计) ≤ 0.5%, 用于附着力促进剂; (g) D4、D5 或 D6 在混合物中浓度(以重量计) ≤ 1%, 用于 3D打印; (h) D5 在混合物中浓度(以重量计) ≤ 1%, 或 D6 浓度(以重量计) ≤ 3%, 用于快速原型制造和模具制作, 或用于石英填料稳定的高性能用途; (i) D5 或 D6 在混合物中浓度(以重量计) ≤ 1%, 用于移印或印刷胶垫的制造; (j) D6 在混合物中浓度(以重量计) ≤ 1%, 用于艺术品和古董的专业清洁或修复。 7. 作为豁免, 第1款和第2款不适用于投放市场以供使用, 或实际使用 D5 作为严格控制的封闭式干洗系统中, 用于纺织品、皮革和毛皮的溶剂, 且该清洁剂被回收或焚烧处理。</p>
	Decamethylcyclopentasiloxane 十甲基环五硅氧烷	208-764-9	541-02-6	<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. 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. 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. 1. 在2020年5月9日后, 该物质本身及含该物质浓度 ≥ 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 ≥ 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>
71	1-methyl-2-pyrrolidone 1-甲基-2-吡咯烷酮	212-828-1	872-50-4	<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. 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. 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. 1. 在2020年5月9日后, 该物质本身及含该物质浓度 ≥ 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 ≥ 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>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
72	The following substances which are classified as carcinogenic, mutagenic or toxic for reproduction, category 1A or 1B (See group members) [Entry 72] 作为致癌、致突变或生殖毒性物质（类别1A或1B）的下列物质（见族成员）[条目72]	-	-	<p>1. Shall not be placed on the market after 1 November 2020 in any of the following: (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; 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. 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: (a) clothing, related accessories or footwear, or parts of clothing, related accessories or footwear, made exclusively of natural leather, fur or hide; (b) non-textile fasteners and non-textile decorative attachments; (c) second-hand clothing, related accessories, textiles other than clothing or footwear (d) wall-to-wall carpets and textile floor coverings for indoor use, rugs and runners. 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. 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. 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. 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： (a) 服装及相关配件； (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； (c) 鞋类； 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。 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条所述的相关浓度应为300mg/kg。附录12规定的浓度应在此后适用。 3. 第1条不适用于： (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； (b) 非纺织紧固件和非纺织装饰配件； (c) 二手的服装、相关配件、除服装外的纺织品或鞋类； (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。 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。 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。 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。 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>
73	(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silanetriol and any of its mono-, di- or tri-O-(alkyl) derivatives (3,3,4,4,5,5,6,6,7,7,8,8,8-三氟辛基)硅烷三醇 及其任何单-O-(烷基)、二-O-(烷基)或三-O-(烷基)衍生物	-	-	<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. 2. For the purpose of this entry, ‘spray products’ means aerosol dispensers, pump sprays, trigger sprays, marketed for proofing or impregnation spray applications. 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. 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 greater than 2 ppb and organic solvents in spray products, are for professional users only and marked ‘Fatal if inhaled’.’ 5. Organic solvents referred to in paragraph 1, 3, and 4 include organic solvents used as aerosol propellants. 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2 ppb（以重量计）。 2. 该款中，“喷雾产品”指气溶胶喷雾器，喷雾剂，触发式喷雾器，用于防护或浸渍的喷雾应用。 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（3,3,4,4,5,5,6,6,7,7,8,8,8-三氟辛基）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。 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（3,3,4,4,5,5,6,6,7,7,8,8,8-三氟辛基）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”。” 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>
	Diisocyanates 二异氰酸酯类	-	-	<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: (a) the concentration of diisocyanates individually and in combination is less than 0.1 % by weight, or (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). 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: (a) the concentration of diisocyanates individually and in combination is less than 0.1 % by weight, or (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’. 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. 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: (a) the training elements in point (a) of paragraph 5 for all industrial and professional use(s). (b) the training elements in points (a) and (b) of paragraph 5 for the following uses: — 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;</p>
	m-tolylidene diisocyanate 间甲苯二异氰酸酯（或称：亚甲基双（3-甲基苯基异氰酸酯））	247-722-4	26471-62-5	
	2-methyl-m-phenylene diisocyanate 2-甲基间苯二异氰酸酯	202-039-0	91-08-7	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	3,3'-dimethylbiphenyl-4,4'-diyl diisocyanate 3,3'-二甲基联苯-4,4'-二基二异氰酸酯	202-112-7	91-97-4	<ul style="list-style-type: none"> - 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; (c) the training elements in points (a), (b) and (c) of paragraph 5 for the following uses: <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. 5. Training elements: <ul style="list-style-type: none"> (a) general training, including on-line training, on: <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; - 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 (b) intermediate level training, including on-line training, on: <ul style="list-style-type: none"> - additional behaviour-based aspects; - maintenance of change; - evaluation of existing safety instructions; - risk in relation to application process used; - certification or documented proof that training has been successfully completed (c) advanced training, including on-line training, on: <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
	4,4'-Methylenediphenyl diisocyanate 4,4'-二苯基甲烷二异氰酸酯 (常用简称: MDI)	202-966-0	101-68-8	<ul style="list-style-type: none"> - certification or documented proof that training has been successfully completed (b) intermediate level training, including on-line training, on: <ul style="list-style-type: none"> - additional behaviour-based aspects; - maintenance of change; - evaluation of existing safety instructions; - risk in relation to application process used; - certification or documented proof that training has been successfully completed (c) advanced training, including on-line training, on: <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
	4-methyl-m-phenylene diisocyanate 4-甲基间苯二异氰酸酯	209-544-5	584-84-9	<ul style="list-style-type: none"> - certification or documented proof that training has been successfully completed (b) intermediate level training, including on-line training, on: <ul style="list-style-type: none"> - additional behaviour-based aspects; - maintenance of change; - evaluation of existing safety instructions; - risk in relation to application process used; - certification or documented proof that training has been successfully completed (c) advanced training, including on-line training, on: <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
	Hexamethylene diisocyanate 六亚甲基二异氰酸酯 (常用简称: HDI)	212-485-8	822-06-0	<ul style="list-style-type: none"> - certification or documented proof that training has been successfully completed (b) intermediate level training, including on-line training, on: <ul style="list-style-type: none"> - additional behaviour-based aspects; - maintenance of change; - evaluation of existing safety instructions; - risk in relation to application process used; - certification or documented proof that training has been successfully completed (c) advanced training, including on-line training, on: <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
74	1,5-naphthylene diisocyanate 1,5-萘二异氰酸酯 (常用简称: NDI)	221-641-4	3173-72-6	<ul style="list-style-type: none"> 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. . 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. 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. 9. Member States shall include in their reports pursuant to Article 117(1) the following information: <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. 10. This restriction shall apply without prejudice to other Union legislation on the protection of safety and health of workers at the workplace. .
	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate 3-异氰酸酯甲基-3,5,5-三甲基环己基异氰酸酯 (常用名: 异佛尔酮二异氰酸酯, 简称: IPDI)	223-861-6	4098-71-9	<ul style="list-style-type: none"> 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: <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。 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: <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) 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” 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, 。 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: <ul style="list-style-type: none"> (a) 所有工业和专业用途应进行第5条 (a) 中的培训内容。 (b) 以下用途应进行第5条 (a) 和 (b) 的培训内容: <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; (c) 以下用途应进行第5条 (a), (b) 和 (c) 的培训内容: <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; - 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); 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: <ul style="list-style-type: none"> (a) 关于以下方面的一般培训, 包括在线培训: <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危险; - 皮肤和吸入保护方案;
	4,4'-methylenedicyclohexyl diisocyanate 4,4'-亚甲基双(环己基异氰酸酯) (常用简称: H12MDI)	225-863-2	5124-30-1	<ul style="list-style-type: none"> (a) 所有工业和专业用途应进行第5条 (a) 中的培训内容。 (b) 以下用途应进行第5条 (a) 和 (b) 的培训内容: <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; (c) 以下用途应进行第5条 (a), (b) 和 (c) 的培训内容: <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; - 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); 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: <ul style="list-style-type: none"> (a) 关于以下方面的一般培训, 包括在线培训: <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危险; - 皮肤和吸入保护方案;
	2,4'-Methylenediphenyl diisocyanate 2,4'-二苯基甲烷二异氰酸酯	227-534-9	5873-54-1	<ul style="list-style-type: none"> (a) 关于以下方面的一般培训, 包括在线培训: <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危险; - 皮肤和吸入保护方案;
	2,4,6-trisopropyl-m-phenylene diisocyanate 2,4,6-三异丙基间苯二异氰酸酯	218-485-4	2162-73-4	<ul style="list-style-type: none"> (a) 关于以下方面的一般培训, 包括在线培训: <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危险; - 皮肤和吸入保护方案;

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	2,2'-Methylenediphenyl diisocyanate 2,2'-二苯基甲烷二异氰酸酯	219-799-4	2536-05-2	<ul style="list-style-type: none"> — 通风; — 清洁、泄漏、维护; — 丢弃空包装; — 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; (b) 关于以下方面的中级培训, 包括在线培训: — 基于行为的其他方面; — 保养; — 变更管理;
	1,3-bis(1-isocyanato-1-methylethyl)benzene 1,3-双(1-异氰酸酯-1-甲基乙基)苯 (常用名: 间苯二亚甲基二异氰酸酯, 简称: m-TMXDI)	220-474-4	2778-42-9	<ul style="list-style-type: none"> — 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; (c) 有关以下方面的高级培训, 包括在线培训: — 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. 工人或雇工应记录成功完成第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> <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> <ul style="list-style-type: none"> (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; (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; (c) 二异氰酸酯的国家暴露限制 (如果有); (d) 与此限制有关的执法活动的信息; <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>
	1,3-bis(isocyanatomethyl)benzene 1,3-双(异氰酸酯甲基)苯 (常用名: 苯二亚甲基二异氰酸酯, 混合异构体简称: m-/p-XDI:)	222-852-4	3634-83-1	
				<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> <ul style="list-style-type: none"> (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; (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; (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; (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: <ul style="list-style-type: none"> (i) 0,1 % by weight, if the substance is used solely as a pH regulator; (ii) 0,01 % by weight, in all other cases; (e) in the case of a substance listed in Annex II 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; (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: <ul style="list-style-type: none"> (i) "Rinse-off products"; (ii) "Not to be used in products applied on mucous membranes"; (iii) "Not to be used in eye products"; (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; (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>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 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>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
75	Substances in tattoo inks and permanent make up 纹身油墨和永久性化妆品中的物质	-	-	<p>(a) Pigment Blue 15:3 (CI 74160, EC No 205-685-1, CAS No 147-14-8); (b) Pigment Green 7 (CI 74260, EC No 215-524-7, CAS No 1328-53-6). 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. 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. 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: (a) the statement "Mixture for use in tattoos or permanent make-up"; (b) a reference number to uniquely identify the batch; (c) the list of ingredients in accordance with the nomenclature established in the glossary of common ingredient 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; (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. The information shall be clearly visible, easily legible and marked in a way that is indelible. 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. 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. 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. 8. Mixtures that do not contain the statement "Mixture for use in tattoos or permanent make-up" shall not be used for tattooing purposes. 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). 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. 自 2022年1月4日 起, 符合以下条件的物质不得用于纹身目的混合物中投放市场, 且含有任何此类物质的混合物不得用于纹身目的: (a) 若物质根据 (EC) 第1272/2008号法规附件六第3部分被分类为致癌物类别1A、1B或2, 或生殖细胞致突变物类别1A、1B或2, 且该物质在混合物中的浓度大于或等于 0.00005% (重量百分比); (b) 若物质根据 (EC) 第1272/2008号法规附件六第3部分被分类为生殖毒性物质类别1A、1B或2, 且该物质在混合物中的浓度大于或等于 0.001% (重量百分比); (c) 若物质根据 (EC) 第1272/2008号法规附件六第3部分被分类为皮肤致敏物类别1、1A或1B, 且该物质在混合物中的浓度大于或等于 0.001% (重量百分比); (d) 若物质根据 (EC) 第1272/2008号法规附件六第3部分被分类为皮肤腐蚀性类别1、1A、1B或1C或皮肤刺激物类别2, 或严重损伤类别1或眼刺激物类别2, 且该物质在混合物中的浓度大于或等于: (i) 0.1% (重量百分比), 如果该物质仅用作pH调节剂; (ii) 0.01% (重量百分比), 在所有其他情况下; (e) 若物质列于 (EC) 第1223/2009号法规附件I1中, 且该物质在混合物中的浓度大于或等于 0.00005% (重量百分比); (f) 若物质在 (EC) 第1223/2009号法规附件IV表格的g栏 (产品类型、身体部位) 中规定了一项或多项下列条件, 且该物质在混合物中的浓度大于或等于 0.00005% (重量百分比): (i) "冲洗型产品"; (ii) "不得用于黏膜产品"; (iii) "不得用于眼部产品"; (g) 若物质在 (EC) 第1223/2009号法规附件IV表格的h栏 (使用制品的最大浓度) 或i栏 (其他) 中规定了条件, 且该物质在混合物中的浓度或其他方式不符合该栏中规定的条件; (h) 若物质列于本附件附录13, 且该物质在混合物中的浓度大于或等于该附录中为该物质规定的浓度限值。</p> <p>2. 为本条之目的, "用于纹身目的"的混合物使用, 是指通过任何工艺或程序 (通常称为永久性化妆、美容纹身、微雕纹眉和微色素沉积), 将混合物注入或引入人体的皮肤、黏膜或眼球, 旨在在其身体上留下标记或图案。</p> <p>3. 如果未列于附录13的物质同时符合第1款中 (a) 至 (g) 项的多项规定, 则适用这些项规定中最严格的浓度限值。如果列于附录13的物质同时也符合第1款中 (a) 至 (g) 项的一项或多项, 则适用第1款 (h) 项规定的浓度限值。</p> <p>4. 作为减损, 第1款的规定在 2023年1月4日 前不适用于以下物质: (a) 颜料蓝15:3 (CI 74160, EC No 205-685-1, CAS No 147-14-8); (b) 颜料绿7 (CI 74260, EC No 215-524-7, CAS No 1328-53-6)。</p> <p>5. 如果在 2021年1月4日 之后, (EC) 第1272/2008号法规附件六第3部分被修订, 对物质进行分类或重新分类, 致使该物质随后落入本条第1款的 (a)、(b)、(c) 或 (d) 项范围, 或其随后落入与先前不同的其中一项范围, 且该新分类或修订分类的适用日期晚于本条第1款或 (视情况而定) 第4款所述的日期, 则就该物质适用本条而言, 该修订应被视为自该新分类或修订分类的适用日期起生效。</p> <p>6. 如果在 2021年1月4日 之后, (EC) 第1223/2009号法规附件I1或附件IV被修订, 列入或更改物质的列入, 致使该物质随后落入本条第1款的 (e)、(f) 或 (g) 项范围, 或其随后落入与先前不同的其中一项范围, 且该修订生效日期晚于本条第1款或 (视情况而定) 第4款所述的日期, 则就该物质适用本条而言, 该修订应被视为自作出该修订的法规生效之日后18个月起生效。</p> <p>7. 供应商在市场上投放用于纹身目的的混合物时, 应确保自 2022年1月4日 起, 混合物标有以下信息: (a) 声明: "用于纹身或永久性化妆的混合物"; (b) 用于唯一识别批次的参考号; (c) 根据 (EC) 第1223/2009号法规第33条建立的通用成分名称词汇表中的命名法列出的成分清单; 若无通用成分名称, 则使用IUPAC名称; 若无通用成分名称或IUPAC名称, 则使用CAS号和EC号。成分应按配制时成分的重量或体积降序排列。"成分"指配制过程中添加并存在于用于纹身目的的混合物中的任何物质。杂质不应视为成分。如果根据 (EC) 第1272/2008号法规, 已要求在本条目含义内作为成分使用的物质名称标在标签上, 则无需根据本法规再次标注; (d) 对于属于第1款 (d) (i) 项范围的物质, 附加声明"pH调节剂"; (e) 如果混合物含有低于附录13规定浓度限值的镍, 声明: "含镍。可能引起过敏反应。"; (f) 如果混合物含有低于附录13规定浓度限值的铬(VI), 声明: "含铬(VI)。可能引起过敏反应。"; (g) 使用安全说明, 前提是其尚未根据 (EC) 第1272/2008号法规要求在标签上标明。</p> <p>信息应清晰可见、易于阅读, 并以不可擦除的方式标记。</p> <p>信息应使用混合物投放市场的成员国的一种或多种官方语言书写, 除非相关成员国有其他规定。</p> <p>8. 未标注"用于纹身或永久性化妆的混合物"声明的混合物, 不得用于纹身目的。</p> <p>9. 本条目不适用于在 20 ° C温度和101.3 kPa压力下为气体, 或在50 ° C温度下蒸气压超过300 kPa的物质, 甲醚除外 (CAS No 50-00-0, EC No 200-001-8)。</p> <p>10. 本条目不适用于根据 (EU) 2017/745号法规的含义, 专门作为医疗器械或医疗器械附件投放市场或使用的用于纹身目的的混合物的投放市场或使用。如果投放市场或使用可能不专门作为医疗器械或医疗器械附件, 则 (EU) 2017/745号法规和本法规的要求应累积适用。</p>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
76	N,N-dimethylformamide N,N-二甲基甲酰胺	200-679-5	68-12-2	<p>1. 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.</p> <p>2. 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.</p> <p>3. 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.</p> <p>1. 自 2023年12月12日 起, 不得以物质本身、作为其他物质的成分或以混合物形式 (浓度大于或等于 0.3%) 投放市场, 除非制造商、进口商和下游用户已在相关的化学品安全报告和安全数据表中包含针对职业暴露的推导无影响水平; 吸入暴露为 6 mg/m³, 皮肤暴露为 1.1 mg/kg/天。</p> <p>2. 自 2023年12月12日 起, 不得以物质本身、作为其他物质的成分或以混合物形式 (浓度大于或等于 0.3%) 进行制造或使用, 除非制造商和下游用户采取适当的风险管理措施并提供适当的操作条件, 以确保工人的暴露水平低于第1款规定的 DNELs。</p> <p>3. 作为第1款和第2款的豁免, 其中规定的义务应自 2024年12月12日 起, 适用于作为纺织品和纸质材料的直接或转移式聚氨酯涂层工艺或聚氨酯膜生产中的溶剂投放市场使用或使用的相关活动; 并应自 2025年12月12日起, 适用于作为合成纤维干法及湿法纺丝工艺中的溶剂投放市场使用或使用的相关活动。</p>
77	formaldehyde and formaldehyde releasers 甲醛及甲醛释放体	-	-	<p>1. 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:</p> <p>(a) 0,062 mg/m³ for furniture and wood-based articles;</p> <p>(b) 0,080 mg/m³ for articles other than furniture and wood-based articles.</p> <p>The first subparagraph shall not apply to:</p> <p>(a) articles in which formaldehyde or formaldehyde releasing substances are exclusively naturally present in the materials from which the articles are produced;</p> <p>(b) articles that are exclusively for outdoor use under foreseeable conditions;</p> <p>(c) articles in constructions, that are exclusively used outside the building shell and vapour barrier and that do not emit formaldehyde into indoor air;</p> <p>(d) articles exclusively for industrial or professional use unless formaldehyde released from them leads to exposure of the general public under foreseeable conditions of use;</p> <p>(e) articles for which the restriction laid down in entry 72 applies;</p> <p>(f) articles that are biocidal products within the scope of Regulation (EU) No 528/2012 of the European Parliament and of the Council;</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> <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>
	Formaldehyde 甲醛	200-001-8	50-00-0	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
				<p>1. Shall not be placed on the market 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> <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 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;</p> <p>(c) EU fertilising products within the scope of Regulation (EU) 2019/1009 of the European Parliament and of the Council;</p> <p>(d) food additives within the scope of Regulation (EC) No 1333/2008 of the European Parliament and of the Council;</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;</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 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> <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, 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 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;</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> <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:</p> <p>"The synthetic polymer microparticles supplied are 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. In addition to the text or pictograms, suppliers may provide a digital tool that gives access to an electronic version of that information. 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</p>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
78	synthetic polymer microparticles 合成聚合物微粒	-	-	<p>sites shall submit the following information to the Agency by 31 May of each year:</p> <p>(a) a description of the uses of synthetic polymer microparticles in the previous calendar year;</p> <p>(b) for each use of synthetic polymer microparticles, generic information on the identity of the polymers used;</p> <p>(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.</p> <p>(d) for each use of synthetic polymer microparticles, a reference to the derogation laid down in paragraph 4, point (a).</p> <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> <p>(a) a description of the end uses for which the synthetic polymer microparticles were placed on the market in the previous calendar year;</p> <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. 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. 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. 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. 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. 不得单独投放市场，或在混合物中以重量计浓度大于或等于 0.01% 投放市场，如果合成聚合物微粒的存在是为了赋予产品某种受追求的特性。</p> <p>2. 为本条之目的，适用以下定义：</p> <p>(a) “颗粒”：指具有明确物理边界的微小物质（单分子除外）；</p> <p>(b) “固体”：指液体或气体以外的物质或混合物；</p> <p>(c) “气体”：指在50° C时蒸汽压大于300 kPa（绝对压力），或在20° C、标准压力101.3 kPa下完全呈气态的物质或混合物；</p> <p>(d) “液体”：指符合下列任一条件的物质或混合物：</p> <p>(i) 在50° C时蒸汽压不大于300 kPa，在20° C、标准压力101.3 kPa下不完全呈气态，且在标准压力101.3 kPa下熔点或初始熔点为20° C或更低；</p> <p>(ii) 符合美国材料与试验协会（ASTM）D 4359-90标准《测定材料是液体还是固体的试验方法》中规定的标准；</p> <p>(iii) 通过1957年9月30日在日内瓦缔结的《国际公路危险货物运输欧洲协议》（ADR）附件A第2部分第2.3.4章描述的流动性试验（针入度试验）；</p> <p>(e) “彩妆产品”：指任何旨在与人体特定外部部位（即表皮、眉毛和睫毛）接触，专门或主要用来改变其外观的物质或混合物。</p> <p>3. 如果本条目涵盖的合成聚合物微粒浓度无法通过现有分析方法或随附文件确定，为验证其是否符合第1款所述的浓度限值，仅考虑具有以下至少尺寸的颗粒：</p> <p>(a) 对于所有尺寸均等于或小于5毫米的颗粒，任一维度的尺寸为0.1微米；</p> <p>(b) 对于长度等于或小于15毫米且长径比大于3的颗粒，长度为0.3微米。</p> <p>4. 第1款不适用于以下情况的投放市场：</p> <p>(a) 用于工业场所的合成聚合物微粒本身或混合物；</p> <p>(b) 属于第2001/83/EC号指令范围的人用药品和属于欧洲议会和理事会第(EU) 2019/6号法规1范围的兽药；</p> <p>(c) 属于欧洲议会和理事会第(EU) 2019/1009号法规2范围的欧盟肥料产品；</p> <p>(d) 属于欧洲议会和理事会第(EC) No 1333/2008号法规3范围的食品添加剂；</p> <p>(e) 体外诊断器械，包括属于欧洲议会和理事会第(EU) 2017/746号法规4范围的器械；</p> <p>(f) 本条第(d)项未涵盖的第(EC) No 178/2002号法规第2条含义内的食品，以及该法规第3条第4款定义的饲料。</p> <p>5. 第1款不适用于以下合成聚合物微粒本身或混合物的投放市场：</p> <p>(a) 通过技术手段被封闭，在按使用说明进行预期最终使用时能防止其释放到环境中的合成聚合物微粒；</p> <p>(b) 在预期最终使用期间，其物理性质发生永久性改变，致使聚合物不再属于本条目范围的合成聚合物微粒；</p> <p>(c) 在预期最终使用期间，永久性地嵌入固体基质中的合成聚合物微粒。</p> <p>6. 第1款对以下用途的适用范围如下：</p> <p>(a) 自 2029年10月17日 起，适用于用于香料包装的合成聚合物微粒；</p> <p>(b) 自 2027年10月17日 起，适用于第(EC) No 1223/2009号法规附件II至VI前言第(1) (a)点定义的“冲洗型产品”，除非此类产品属于本款第(a)项范围或含有用作磨料（即用于去角质、抛光或清洁）的合成聚合物微粒（“微珠”）；</p> <p>(c) 自 2035年10月17日 起，适用于第(EC) No 1223/2009号法规附件II至VI前言第(1) (e)点定义的唇部产品、该前言第(1) (g)点定义的指甲产品，以及该法规范围内的彩妆产品，除非此类产品属于本款第(a)或(b)项范围或含有微珠；</p> <p>(d) 自 2029年10月17日 起，适用于第(EC) No 1223/2009号法规附件II至VI前言第(1) (b)点定义的“驻留型产品”，除非此类产品属于本款第(a)或(c)项范围；</p> <p>(e) 自 2028年10月17日 起，适用于第(EC) No 648/2004号法规第2条第1款定义的洗涤剂、蜡、上光剂和空气护理产品，除非这些产品属于本款第(a)项范围或含有微珠；</p> <p>(f) 自 2029年10月17日 起，适用于属于欧洲议会和理事会第(EU) 2017/745号法规5范围内的“器械”，除非这些器械含有微珠；</p> <p>(g) 自 2028年10月17日 起，适用于第(EU) 2019/1009号法规第2条第1点定义的、但不属于该法规范围的“肥料产品”；</p> <p>(h) 自 2031年10月17日 起，适用于属于欧洲议会和理事会第(EC) No 1107/2009号法规6第2条第1款含义内的植物保护产品、用这些产品处理过的种子，以及欧洲议会和理事会第(EU) No 528/2012号法规7第3条第1款(a)点定义的生物杀灭剂产品；</p> <p>(i) 自 2028年10月17日 起，适用于第(g)或(h)项未涵盖的农业和园艺用途产品；</p> <p>(j) 自 2031年10月17日 起，适用于用于合成运动场表面的颗粒填充物。</p> <p>7. 自 2025年10月17日 起，第4款第(a)项所指的合成聚合物微粒的供应商应提供以下信息：</p> <p>(a) 使用和处置说明，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；</p> <p>(b) 以下声明：“供应的合成聚合物微粒须遵守欧洲议会和理事会第(EC) No 1907/2006号法规附件XVII第78条规定的条件。”；</p> <p>(c) 关于物质或混合物中合成聚合物微粒的总量或（如适用）浓度的信息。</p>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
				<p>(d) 关于物质或混合物中所含聚合物的通用识别信息，使制造商、工业下游用户和其他供应商能够遵守第11和12款规定的义务。</p> <p>8. 自 2026年10月17日起，含有第4款(e)项所指合成聚合物微粒的产品供应商，以及自 2025年10月17日起，含有第4款(d)项和第5款所指合成聚合物微粒的产品供应商，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. 从 2031年10月17日至 2035年10月16日，第6款(c)项所指的含有合成聚合物微粒的产品供应商应提供以下声明：“本产品含有微塑料。”但是，在2031年10月17日之前投放市场的产品，最迟可在2031年12月17日前无需标注该声明。</p> <p>10. 第7、8和9款提及的信息应以清晰可见、易读且不可擦除的文本形式提供，或（关于第7和8款信息）酌情以象形图形式提供。文本或象形图应置于含有合成聚合物微粒的产品标签、包装或说明书上，或（关于第7款信息）安全数据表上。除文本或象形图外，供应商可提供能获取该信息电子版数字工具。如果根据第7、8和9款以文本形式提供使用和处置说明，则应使用物质或混合物投放市场的成员国的一种或多种官方语言书写，除非相关成员国另有其他规定。</p> <p>11. 从 2026年起，工业场所用于塑料制造原料的颗粒、薄片和粉末形式的合成聚合物微粒的制造商和工业下游用户，以及从 2027年起，在工业场所使用合成聚合物微粒的其他制造商和工业下游用户，应于每年5月31日前向欧盟化学品管理局提交以下信息：</p> <p>(a) 上一日历年合成聚合物微粒使用情况的说明；</p> <p>(b) 对于合成聚合物微粒的每种用途，所使用的聚合物的通用识别信息；</p> <p>(c) 对于合成聚合物微粒的每种用途，上一日历年释放到环境中的合成聚合物微粒数量的估计值，其中应包括运输过程中释放到环境中的合成聚合物微粒数量；</p> <p>(d) 对于合成聚合物微粒的每种用途，引用第4款(a)项规定的减损。</p> <p>12. 从 2027年起，第4款(b)、(d)和(c)项以及第5款所指的、首次向专业用户和公众投放市场的含有合成聚合物微粒产品的供应商，应于每年5月31日前向欧盟化学品管理局提交以下信息：</p> <p>(a) 上一日历年合成聚合物微粒投放市场的最终用途说明；</p> <p>(b) 对于合成聚合物微粒投放市场的每种最终用途，上一日历年投放市场的聚合物的通用识别信息；</p> <p>(c) 对于合成聚合物微粒投放市场的每种最终用途，上一日历年释放到环境中的合成聚合物微粒数量的估计值，其中应包括运输过程中释放到环境中的合成聚合物微粒数量；</p> <p>(d) 对于合成聚合物微粒的每种用途，引用第4款(b)、(d)或(c)项或第5款(a)、(b)或(c)项规定的适用减损。</p> <p>13. 欧盟化学品管理局应根据第11和12款提交的信息提供给成员国。</p> <p>14. 含有本条目涵盖的合成聚合物微粒产品的制造商、进口商和工业下游用户，应在主管机关要求时，提供关于这些产品中所含聚合物的具体识别信息以及这些聚合物在产品中的功能。聚合物识别的具体信息应以明确无误地识别聚合物，并且至少应包括（如适用）附件VI第2.1至2.3点以及第2.3.5、2.3.6和2.3.7点规定的信息。如果工业下游用户无法获得该信息，应在收到主管机关请求后7天内向其供应商索取，并立即告知主管机关已提出该请求。收到第二段所述请求的供应商应在30天内向工业下游用户或直接向提出请求的主管机关提供所需信息。如果供应商向工业下游用户提供信息，工业下游用户应立即将该信息转交给主管机关。如果供应商直接向主管机关提供信息，应立即告知相关工业下游用户。</p> <p>15. 含有声称因其可降解性或可溶性而被排除在合成聚合物微粒定义之外的聚合物的产品的制造商、进口商和工业下游用户，应在主管机关要求时，立即提供信息，证明这些聚合物根据附录15可降解或根据附录16可溶（视情况而定）。</p> <p>16. 第1款不适用于在 2023年10月17日之前已投放市场的合成聚合物微粒本身或混合物的投放市场。但是，第一分段不适用于第6款所列用途的合成聚合物微粒的投放市场。</p>
	<p>undecafluorohexanoic acid (PFHxA), its salts and related substances 全氟己酸（PFHxA）、其盐类及相关物质</p>	-	-	<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> <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 1 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 and they use the foams and the equipment for that purpose only.</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 1 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，以下产品中，若均质材料中测得的 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：</p> <p>(a) 面向公众的服装及相关配饰中的纺织品、皮革、毛皮和生皮；</p> <p>(b) 面向公众的鞋类；</p> <p>(c) 作为第(EC) No 1935/2004号法规范围内食品接触材料使用的纸和纸板；</p> <p>(d) 面向公众的混合物。</p>
79	<p>Sodium undecafluorohexanoate 全氟己酸钠</p>	220-881-7	2923-26-4	

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
	undecafluorohexanoic acid and its ammonium salt 全氟己酸及其铵盐	-	-	<p>(e) 第(EC) No 1223/2009号法规第2条第1款(a)点定义的化妆品。</p> <p>2. 自 2027年10月10日 起，面向公众的、除第1款所指的服装及相关配饰外的其他纺织品、皮革、毛皮和生皮中，若均质材料中测得的 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。</p> <p>3. 第1款和第2款不适用于以下情况：</p> <p>(a) 旨在保护使用者免受第(EU) 2016/425号法规附件1中风险类别III的(a)、(c)至(f)、(h)和(l)点范围内风险的个人防护装备；</p> <p>(b) 第(EU) 2017/745号法规范围内的器械；</p> <p>(c) 第(EU) 2017/746号法规范围内的器械；</p> <p>(d) 用作建筑纺织品的纺织品。</p> <p>4. 自 2026年4月10日 起，以下产品中，若 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：</p> <p>(a) 用于培训和测试的消防泡沫及消防泡沫浓缩液（功能性测试除外，前提是所有排放物均被收集处理）；</p> <p>(b) 公共消防部门使用的消防泡沫及消防泡沫浓缩液（除外情况：这些部门在处置欧洲议会和理事会第2012/18/EU号指令1所涵盖的场所发生的工业火灾时，仅为此目的使用这些泡沫和设备的场景）。</p> <p>5. 自 2029年10月10日 起，用于民用航空（包括民用机场）的消防泡沫及消防泡沫浓缩液中，若 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。</p> <p>6. 第1、2、4和5款不适用于已被欧洲议会和理事会第(EU) 2019/1021号法规附件1禁止的、具有直接连接硫原子的全氟己基（C6F13-）的物质。</p> <p>7. 作为第1款的豁免，该款不适用于在 2026年10月10日之前 已投放市场的物品和混合物。</p> <p>8. 作为第2款的豁免，该款不适用于在 2027年10月10日之前 已投放市场的物品。</p> <p>9. 为本条目之目的，PFHxA相关物质 是指根据其分子结构被认为有可能降解或转化为PFHxA的物质。</p>
80	N,N-dimethylacetamide (DMAC) N,N-二甲基乙酰胺 (DMAC)	204-826-4	127-19-5	<p>1. 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 23 December 2026 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 13 mg/m³ for long-term exposure by inhalation and 1,8 mg/kg bw/day for long-term dermal exposure.</p> <p>2. 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 23 December 2026 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 23 June 2029 in relation to placing on the market for use, or use, as a solvent in the production of man-made fibres.</p> <p>1. 自 2026年12月23日 起，不得以物质本身、作为其他物质的成分或以混合物形式（浓度大于或等于 0.3%）投放市场，除非制造商、进口商和下游用户已在相关的化学品安全报告和安全数据表中包含针对职业暴露的推导无影响水平（DNELs）：长期吸入暴露为 13 mg/m³，长期皮肤暴露为 1.8 mg/kg体重/天。</p> <p>2. 自 2026年12月23日 起，不得以物质本身、作为其他物质的成分或以混合物形式（浓度大于或等于 0.3%）进行制造或使用，除非制造商和下游用户采取适当的风险管理措施并提供适当的操作条件，以确保工人的暴露水平低于第1款规定的 DNELs。</p> <p>3. 作为第1款和第2款的豁免，其中规定的义务应自 2029年6月23日 起，适用于作为人造纤维生产中的溶剂投放市场使用或使用的相关活动。</p>
81	1-ethylpyrrolidin-2-one (NEP) 1-乙基吡咯烷-2-酮 (N-乙基吡咯烷酮, NEP)	220-250-6	2687-91-4	<p>1. 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 23 December 2026 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 4,0 mg/m³ for long-term exposure by inhalation and 2,4 mg/kg bw/day for long-term dermal exposure.</p> <p>2. 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 23 December 2026 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>1. 自 2026年12月23日 起，不得以物质本身、作为其他物质的成分或以混合物形式（浓度大于或等于 0.3%）投放市场，除非制造商、进口商和下游用户已在相关的化学品安全报告和安全数据表中包含针对职业暴露的推导无影响水平：长期吸入暴露为 4.0 mg/m³，长期皮肤暴露为 2.4 mg/kg体重/天。</p> <p>2. 自 2026年12月23日 起，不得以物质本身、作为其他物质的成分或以混合物形式（浓度大于或等于 0.3%）进行制造或使用，除非制造商和下游用户采取适当的风险管理措施并提供适当的操作条件，以确保工人的暴露水平低于第1款规定的 DNELs。</p>
				<p>1. Shall not be placed on the market or used as of 23 October 2030 in firefighting foams in a concentration equal to or greater than 1 mg/L for the sum of all PFAS.</p> <p>2. Paragraph 1 shall not apply to:</p> <p>(a) perfluorooctane sulfonic acid (PFOS), its salts and PFOS-related compounds C8F17SO3X, to perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds and to perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds, covered by Annex I to Regulation (EU) 2019/1021;</p> <p>(b) linear and branched perfluorocarboxylic acids of the formula CnF2n+1-C(=O)OH where n = 8, 9, 10, 11, 12, or 13 (C9-C14 PFCAs) including their salts, and any combinations thereof, restricted under entry 68;</p> <p>(c) undecafluorohexanoic acid (PFHxA), its salts and PFHxA-related substances, for uses restricted under entry 79.</p> <p>3. When determining the concentration of the sum of all PFAS, the substances to which the derogation in paragraph 2 applies shall be included in the determination.</p> <p>4. By way of derogation from paragraph 1, the concentration of PFAS in fluorine-free firefighting foams originating from the equipment which has undergone cleaning in accordance with best available techniques, excluding portable fire extinguishers, shall not exceed 50 mg/L for the sum of all PFAS. The Commission shall review this derogation no later than 23 October 2030.</p> <p>5. By way of derogation from paragraph 1, PFAS may be placed on the market in a concentration equal to or greater than 1 mg/L for the sum of all PFAS:</p> <p>(a) until 23 October 2026 in firefighting foams in portable fire extinguishers;</p> <p>(b) until 23 April 2027 in alcohol-resistant firefighting foams in portable fire extinguishers;</p> <p>(c) until 23 October 2035 in firefighting foams for:</p> <p>(i) establishments covered by Directive 2012/18/EU, civilian aviation (including in civilian airports) shall not be covered by this derogation;</p> <p>(ii) installations belonging to the offshore oil and gas industry;</p> <p>(iii) military vessels;</p> <p>(iv) civilian ships with firefighting foams placed on board before 23 October 2025.</p>

No.	物质名称、物质组名称或混合物名称	EC NO.	CAS NO.	限制条件
82	Per- and polyfluoroalkyl substances (PFAS) 全氟及多氟烷基化合物 (PFAS)	-	-	<p>6. By way of derogation from paragraph 1, PFAS may be used in firefighting foams in a concentration equal to or greater than 1 mg/L for the sum of all PFAS:</p> <p>(a) until 23 April 2027 for:</p> <p>(i) training and testing, except functional testing of the firefighting systems provided that all releases are contained;</p> <p>(ii) public fire services and private fire services exercising the function of public fire services, except where those services intervene at industrial fires at establishments covered by Directive 2012/18/EU and the use of the foams and the equipment for that purpose only;</p> <p>(b) until 31 December 2030 in portable fire extinguishers;</p> <p>(c) until 23 October 2035 for the cases referred to in paragraph 5, point (c).</p> <p>The Commission shall review the derogations under point (c) before the end of the period of validity of that derogation.</p> <p>7. As of 23 October 2026 the use of PFAS in firefighting foams in a concentration equal to or greater than 1 mg/L for the sum of all PFAS pursuant to paragraph 1 and paragraph 6, point (c), shall be subject to the conditions of this paragraph. The user shall:</p> <p>(a) ensure that firefighting foams are only used for fires involving flammable liquids (class B fires);</p> <p>(b) reduce emissions to the environmental compartments and direct and indirect human exposure to firefighting foams to as low a level as is technically and practically possible;</p> <p>(c) ensure the separate collection of stock of not-utilised firefighting foams and PFAS-containing waste, including wastewater, originating from the use of firefighting foams, where technically and practically possible, and ensure their handling for adequate treatment in such a way that the PFAS content is destroyed or irreversibly transformed;</p> <p>(d) establish a "PFAS-containing firefighting foams management plan" specific for the place of use of the firefighting foams containing PFAS which shall include:</p> <p>(i) details of the use conditions and volumes of firefighting foams on site, documenting how the conditions set in point (b) are met;</p> <p>(ii) information on the collection and adequate treatment pursuant to point (c);</p> <p>(iii) details on the type and methods of cleaning and maintenance of equipment;</p> <p>(iv) plans to be implemented in the event of accidental leakage/spillage of firefighting foam including where relevant, the documentation of the follow-up actions;</p> <p>(v) a strategy for substituting firefighting foams containing PFAS with fluorine-free firefighting foams.</p> <p>The management plan shall be reviewed annually and be kept available for at least 15 years for inspection, on request, by competent authorities.</p> <p>8. As of 23 October 2026, firefighting foams in which the concentration is equal to or greater than 1 mg/L of the sum of all PFAS, that are placed on the market, excluding portable fire extinguishers, shall be labelled in accordance with paragraph 10. Unless the Member State(s) concerned provide(s) otherwise, the label shall be written in the official language(s) of the Member State(s) where the firefighting foam is placed on the market.</p> <p>9. As of 23 October 2026, users of PFAS-containing firefighting foam shall ensure that stock of not-utilised firefighting foams and PFAS-containing waste, including wastewater, originating from the use of firefighting foams, is labelled in accordance with paragraph 10 where the concentration of the sum of all PFAS is equal to or greater than 1 mg/L. Unless the Member State(s) concerned provide(s) otherwise, the label shall be written in the official language(s) of the Member State(s) where the stock of not-utilised firefighting foams and PFAS-containing waste, including wastewater, originating from the use of firefighting foam is generated and will be treated.</p> <p>10. For the purpose of paragraphs 8 and 9, the labelling shall include the following wording: "WARNING: Contains per- and polyfluoroalkyl substances (PFAS) with a concentration equal to or greater than 1 mg/L for the sum of all PFAS". This information shall be visibly, legibly and indelibly marked.</p> <p>11. For the purpose of this entry, the following definitions shall apply:</p> <p>(a) "portable fire extinguisher" means a fire extinguisher designed to be carried and operated by hand which in working order has a mass of not more than 20 kg, in accordance with the standard EN3-7; a mobile extinguisher of not more than 150 litres, in accordance with the standard EN-1866; and a spray can extinguisher in accordance with the standard EN-16856;</p> <p>(b) "firefighting foam" means any mixture to fight fires with foam and includes but is not limited to firefighting foam concentrates and firefighting foam solutions to produce the foam;</p> <p>(c) "stock of not-utilised firefighting foam" means firefighting foam which has not yet been used to fight fires.</p> <p>1. 自 2030年10月23日起，不得在消防泡沫中以所有PFAS总浓度大于或等于 1 mg/L 的水平投放市场或使用。</p> <p>2. 第1款不适用于：</p> <p>(a) 全氟辛酸磺酸 (PFOS)、其盐类和PFOS相关化合物 (C8F17SO3X)、全氟辛酸 (PFOA)、其盐类和PFOA相关化合物、以及全氟己烷磺酸 (PFHxS)、其盐类和PFHxS相关化合物（已受第(EU) 2019/1021号法规附件I管控）；</p> <p>(b) 受条目68限制的，化学式为 $C_nF_{2n+1}C(=O)OH$（其中 $n = 8, 9, 10, 11, 12, 13$）的直链和支链全氟羧酸（C9-C14 PFCAs），包括其盐类及其任何组合；</p> <p>(c) 全氟己烷 (PFHxS)、其盐类和PFHxS相关物质（针对条目79限制的用途）。</p> <p>3. 在确定所有PFAS的总浓度时，应包括第2款不予豁免的物质。</p> <p>4. 作为第1款的豁免，对于经过最佳可行技术清洗的设备（便携式灭火器除外）中产生的无氟消防泡沫，其所有PFAS的总浓度不得超过 50 mg/L。欧盟委员会应不迟于 2030年10月23日 审议此豁免。</p> <p>5. 作为第1款的豁免，可在以下期限内，以所有PFAS总浓度大于或等于 1 mg/L 的水平投放市场：</p> <p>(a) 至 2026年10月23日，用于便携式灭火器中的消防泡沫；</p> <p>(b) 至 2027年4月23日，用于便携式灭火器中的抗醇型消防泡沫；</p> <p>(c) 至 2035年10月23日，用于以下领域的消防泡沫：</p> <p>(i) 受2012/18/EU号指令管辖的场所（民用航空，包括民用机场，不适用此豁免）；</p> <p>(ii) 海上油气行业设施；</p> <p>(iii) 军用船舶；</p> <p>(iv) 在2025年10月23日之前已装载该消防泡沫的民用船舶。</p> <p>6. 作为第1款的豁免，可在以下期限内，以所有PFAS总浓度大于或等于 1 mg/L 的水平使用消防泡沫：</p> <p>(a) 至 2027年4月23日，用于：</p> <p>(i) 培训和测试（消防系统的功能性测试除外，前提是所有排放物均被收集处理）；</p> <p>(ii) 公共消防部门和履行公共消防部门职能的私营消防部门（除外情况：这些部门在处置受2012/18/EU号指令管辖的场所发生的工业火灾时，仅为此目的使用这些泡沫和设备的场景）；</p> <p>(b) 至 2030年12月31日，用于便携式灭火器中；</p> <p>(c) 至 2035年10月23日，用于第5款(c)项所述情况。</p> <p>欧盟委员会应在此豁免有效期结束前对其进行审议。</p> <p>7. 自 2026年10月23日起，根据第1款和第6款(c)项使用所有PFAS总浓度大于或等于 1 mg/L 的消防泡沫，须遵守以下条件。使用者应：</p> <p>(a) 确保消防泡沫仅用于涉及易燃液体（B类火灾）的火灾；</p> <p>(b) 将消防泡沫排放到环境介质中以及对人类、动物和间接暴露，在技术和实践可行范围内尽可能降低至最低水平；</p> <p>(c) 在技术和实践可行范围内，确保单独收集未使用的消防泡沫库存以及使用消防泡沫产生的含PFAS废物（包括废水），并确保对其进行适当处理，以破坏或不可逆地转化其中的PFAS含量；</p> <p>(d) 为使用含PFAS消防泡沫的场所制定一份特定的“含PFAS消防泡沫管理计划”，其中应包括：</p> <p>(i) 现场消防泡沫的使用条件和量的详细信息，记录如何满足(b)点的条件；</p> <p>(ii) 关于根据(c)点进行收集和适当处理的信息；</p> <p>(iii) 设备清洗和维护的类型及方法细节；</p> <p>(iv) 消防泡沫意外泄漏/溢出时应实施的计划，包括（如适用）后续行动的记录；</p> <p>(v) 用无氟消防泡沫替代含PFAS消防泡沫的策略。</p> <p>该管理计划应每年审查一次，并至少保留15年，以便主管机关在要求时进行检查。</p> <p>8. 自 2026年10月23日起，投放市场的所有PFAS总浓度大于或等于 1 mg/L 的消防泡沫（便携式灭火器除外）应根据第10款进行标注。除非相关成员国其他规定，标签应使用消防泡沫投放市场的成员国的一种或多种官方语言书写。</p> <p>9. 自 2026年10月23日起，含PFAS消防泡沫的使用者应确保，当所有PFAS总浓度大于或等于 1 mg/L 时，根据第10款对未使用的消防泡沫库存以及使用消防泡沫产生的含PFAS废物（包括废水）进行标注。除非相关成员国其他规定，标签应使用产生和处理未使用的消防泡沫库存以及含PFAS废物（包括废水）的成员国的一种或多种官方语言书写。</p> <p>10. 为第8和第9款之目的，标注应包含以下字样：“警告：含有全氟及多氟烷基化合物（PFAS），所有PFAS总浓度大于或等于 1 mg/L。” 此信息应清晰可见、易读且不可擦除地标明。</p> <p>11. 为本条之目的，适用以下定义：</p> <p>(a) “便携式灭火器”：指根据EN3-7标准设计的、工作状态下质量不超过20公斤的手持式灭火器；根据EN-1866标准设计的、容量不超过150升的移动式灭火器；以及根据EN-16856标准设计的喷雾罐式灭火器。</p> <p>(b) “消防泡沫”：指用于泡沫灭火的任何混合物，包括但不限于消防泡沫浓缩液和用于产生泡沫的消防泡沫溶液。</p> <p>(c) “未使用的消防泡沫库存”：指尚未用于灭火的消防泡沫。</p>