

环境负荷物质一览

2026年1月

株式会社久保田

【前言】

本资料刊载了截至2025年1月1日“久保田集团绿色采购方针”的“从供应商处采购的物品应符合的环保事项”中规定的“3. 环境负荷物质”

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	※ 无论有没有法律, 含有率无论多少, 都不许使用石棉。			
表2：限制物质 限制物质是指，根据用途或条件，禁止产品中含有或者产品制造过程中使用的物质，并制定期限或目标，分阶段地削减含量或使用量，逐步实现替代化的物质。	1	RoHS指令	附件II	p51
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【注意事项】

本资料是根据截至2025年12月1日的相关法律法规及行业标准制作而成，但并不保证其内容符合法律法规等。使用时，请适当地自行或向各公司确认最新版的相关法律法规或者行业规定的原文。另外，对于因使用本清单而遭受的损失，发行者（久保田集团）不承担任何责任。今后，随着各国法律法规或行业标准的修订或废除，有可能会在不事先告知的情况下进行修订。

【修订记录】(最近5次)

改訂日	表番号	改訂内容
2026. 1. 1	表1-1. 关于化学品的审查及制造等的限制的法律 第一种特定化学物质	•修改了 No.34 物质名称的描述，并追加了示例物质。 •在 No.35 中增加“全氟辛酸相关物质”，并将原 No.35 修订为 No.36 。 •追加了 No. 37, 38, 39 。
	表1-5. POPs条约（附件 A,B）和 EU POPs规则（附件 I, II）	•追加了 No. 33、34、35 （在《斯德哥尔摩公约》第12次缔约方大会（2025年4月~5月）上决定增补附件A的物质）
	表2-3. 欧洲REACH规则 附录 XVII 中限制使用“常规零件”的物质	• REACH 规则附录 XVII 条目标号 72 已追加到 No.18、 将旧的 No.18、19、20 修改为 No.19、20、21 。
	附表 I -A. RoHS指令 豁免清单 附录III	追加了 No. 46 。
	附表 I -B. RoHS指令 豁免清单 附录IV	追加了 No. 45~49 。
2025. 1. 1	表1 禁止物质、表2 限制物质	删除了每页标题部分中“有意识地”的描述。
	表1-1. 关于化学品的审查及制造等的限制的法律 第一种特定化学物质	追加了“全氟（己烷-1-磺酸）（又称PFHxA）或全氟（烷磺酸）（结构为分支，限于碳数为6的。）或这些盐”。
	表1-2. 毒物及剧毒物取缔法 特殊毒物	追加了参考CAS No. 和示例物质。
	表1-3. 劳动安全卫生法 禁止制造等的有害物等	
	表1-4. 臭氧层保护法 特定物质	追加了参考CAS No. 。
	表1-5. POPs条约（附件 A,B）和 EU POPs规则（附件 I, II）	在表的标题上追加了对象的附件编号。
	表2-1. RoHS指令 附件II	追加了示例物质。
	表2-2. 蒙特利尔议定书 附件C组 I	追加了参考CAS No. 。
	表2-3. 欧洲REACH规则 附录 XVII 中限制使用“常规零件”的物质	追加了“全氟己酸（PFHxA）及其盐和PFHxA相关物质”。
	表2-4. TSCA PBT物质	追加了CAS No. 。
2024. 1. 1	表1-5	将POPs条约中决定废除的物质追加为禁止物质。
	表2-3	依据REACH规则附件 X VII (限制物质) 的修订而追加。 添加了 REACH 法规附件 XVII 中列出的每种物质的条目标号。
2023. 1. 1	表2-4. TSCA PBT物质	根据联邦公报（87 FR 12875）2022年3月8日修改了PIP（3:1）的分阶段禁止。
2022. 1. 1	表1：禁止物质	伴随2021年4月21日公布的化审法修订案，追加了“2,2,2-三氯-1-（2-氯苯基）-1-（4-氯苯基）乙醇”、“PFOA及其盐”。
	表1-5. EU POPs 规则	追加了CAS No.。 追加了“Dicofol”。
	表1-6. 其他本公司独自规定的物质	追加了CAS No. 。
	表2-3. REACH规则 附录XVII	追加了CAS No. 。
	表2-4. TSCA PBT物质	作为限制物质追加了TSCA PBT物质。
	附表I-A, B: RoHS指令 非适用清单 附录III、IV	体现2020年3月5日 2020/366/EU 和 2021年1月15日 2021/647/EU 的规定。

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
1	多氯联苯	
	示例物质	CAS No.
	polychlorobiphenyl	1336-36-3
	3,3'-dichlorobiphenyl	2050-67-1
	4,4'-dichlorobiphenyl	2050-68-2
	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	2051-24-3
	2-chlorobiphenyl	2051-60-7
	3-chlorobiphenyl	2051-61-8
	4-chlorobiphenyl	2051-62-9
	2,2',3,3',5,5',6,6'-octachlorobiphenyl	2136-99-4
	2,2',4,4'-tetrachlorobiphenyl	2437-79-8
	3,4'-dichlorobiphenyl	2974-90-5
	3,4-dichlorobiphenyl	2974-92-7
	2,4,4'-trichlorobiphenyl	7012-37-5
	PCB 1254	11097-69-1
	Aroclor 1221	11104-28-2
	Aroclor 1232	11141-16-5
	PCB 1248	12672-29-6
	Aroclor 1016	12674-11-2
	2,2'-dichlorobiphenyl	13029-08-8
	2,4,5-trichlorobiphenyl	15862-07-4
	2,2',6,6'-tetrachlorobiphenyl	15968-05-5
	2,3-dichlorobiphenyl	16605-91-7
	2,4',5-trichlorobiphenyl	16606-02-3
	2,3,4,5,6-pentachlorobiphenyl	18259-05-7
	trichlorobiphenyl	25323-68-6
	pentachlorobiphenyl	25429-29-2
	dichlorobiphenyl	25512-42-9
	2,3'-dichlorobiphenyl	25569-80-6
	hexachlorobiphenyl	26601-64-9
	tetrachlorobiphenyl	26914-33-0
	chlorobiphenyl	27323-18-8
	heptachlorobiphenyl	28655-71-2
	ar,ar,ar-trichlorobiphenyl	30605-61-9
	octachlorobiphenyl	31472-83-0
	2,3',4,4',5-pentachlorobiphenyl	31508-00-6
	2,3',4,4'-tetrachlorobiphenyl	32598-10-0
	2,3',4',5-tetrachlorobiphenyl	32598-11-1
	2,4,4',6-tetrachlorobiphenyl	32598-12-2
	3,3',4,4'-tetrachlorobiphenyl	32598-13-3
	2,3,3',4,4'-pentachlorobiphenyl	32598-14-4
	2,4,4',5-tetrachlorobiphenyl	32690-93-0
	3,3',4,4',5,5'-hexachlorobiphenyl	32774-16-6
	2,3,4,4'-tetrachlorobiphenyl	33025-41-1
	ar,ar'-dichlorobiphenyl	33039-81-5
	2,2',3,3',4,4',6,6'-octachlorobiphenyl	33091-17-7
	2,6-dichlorobiphenyl	33146-45-1
	2,4-dichlorobiphenyl	33284-50-3
	3,3',5,5'-tetrachlorobiphenyl	33284-52-5
	2,3,4,5-tetrachlorobiphenyl	33284-53-6
	2,3,5,6-tetrachlorobiphenyl	33284-54-7
	2,2',4,4',6,6'-hexachlorobiphenyl	33979-03-2
	2,5-dichlorobiphenyl	34883-39-1
	3,5-dichlorobiphenyl	34883-41-5
	2,4'-dichlorobiphenyl	34883-43-7
	2,2',4,4',5,5'-hexachlorobiphenyl	35065-27-1
	2,2',3,4,4',5'-hexachlorobiphenyl	35065-28-2
	2,2',3,4,4',5,5'-heptachlorobiphenyl	35065-29-3
	2,2',3,3',4,4',5-heptachlorobiphenyl	35065-30-6
	2,4,6-trichlorobiphenyl	35693-92-6
	2,2',5,5'-tetrachlorobiphenyl	35693-99-3
	2,2',3,3',5,5'-hexachlorobiphenyl	35694-04-3
	2,2',3,4,4',5-hexachlorobiphenyl	35694-06-5

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	2,2',3,3',4,4',5,5'-octachlorobiphenyl	35694-08-7
	2,2',3,4'-tetrachlorobiphenyl	36559-22-5
	Kanechlor 300	37353-63-2
	2,2',5-trichlorobiphenyl	37680-65-2
	2,2',4-trichlorobiphenyl	37680-66-3
	2,3',5'-trichlorobiphenyl	37680-68-5
	3,3',4-trichlorobiphenyl	37680-69-6
	2,2',4,5,5'-pentachlorobiphenyl	37680-73-2
	2,2',3,5',6-pentachlorobiphenyl	38379-99-6
	2,2',4,4',5-pentachlorobiphenyl	38380-01-7
	2,2',3,4,5'-pentachlorobiphenyl	38380-02-8
	2,3,3',4',6-pentachlorobiphenyl	38380-03-9
	2,2',3,4',5',6-hexachlorobiphenyl	38380-04-0
	2,2',3,3',4,6'-hexachlorobiphenyl	38380-05-1
	2,2',3,3',4,4'-hexachlorobiphenyl	38380-07-3
	2,3,3',4,4',5-hexachlorobiphenyl	38380-08-4
	2,2',3,3',6,6'-hexachlorobiphenyl	38411-22-2
	2,2',3,3',4,5,6'-heptachlorobiphenyl	38411-25-5
	2,2',6-trichlorobiphenyl	38444-73-4
	2,3',6-trichlorobiphenyl	38444-76-7
	2,4',6-trichlorobiphenyl	38444-77-8
	2,2',3-trichlorobiphenyl	38444-78-9
	2,3',5-trichlorobiphenyl	38444-81-4
	2,3,3'-trichlorobiphenyl	38444-84-7
	2,3,4'-trichlorobiphenyl	38444-85-8
	2',3,4-trichlorobiphenyl	38444-86-9
	3,3',5-trichlorobiphenyl	38444-87-0
	3,4',5-trichlorobiphenyl	38444-88-1
	3,4,4'-trichlorobiphenyl	38444-90-5
	2,2',3,3'-tetrachlorobiphenyl	38444-93-8
	2,2',4,4',6-pentachlorobiphenyl	39485-83-1
	2,3,3',4,4',5,5'-heptachlorobiphenyl	39635-31-9
	2,3,3',5,5'-pentachlorobiphenyl	39635-32-0
	3,3',4,5,5'-pentachlorobiphenyl	39635-33-1
	2,3,3',4',5,5'-hexachlorobiphenyl	39635-34-2
	2,3,3',4,5,5'-hexachlorobiphenyl	39635-35-3
	2,2',3,3',4,5',6-heptachlorobiphenyl	40186-70-7
	2,2',3,3',4,5',6,6'-octachlorobiphenyl	40186-71-8
	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	40186-72-9
	2,2',3,4,5,6-hexachlorobiphenyl	41411-61-4
	2,3,3',4,5,6-hexachlorobiphenyl	41411-62-5
	2,3,4,4',5,6-hexachlorobiphenyl	41411-63-6
	2,3,3',4,4',5,6-heptachlorobiphenyl	41411-64-7
	2,2',3,5'-tetrachlorobiphenyl	41464-39-5
	2,2',4,5'-tetrachlorobiphenyl	41464-40-8
	2,2',5,6'-tetrachlorobiphenyl	41464-41-9
	2,3',5,5'-tetrachlorobiphenyl	41464-42-0
	2,3,3',4'-tetrachlorobiphenyl	41464-43-1
	2,3',4',6-tetrachlorobiphenyl	41464-46-4
	2,2',3,6'-tetrachlorobiphenyl	41464-47-5
	3,3',4,5'-tetrachlorobiphenyl	41464-48-6
	2,3,3',5'-tetrachlorobiphenyl	41464-49-7
	2,2',3,4',5'-pentachlorobiphenyl	41464-51-1
	2,2',3,3',4,4',5,6'-octachlorobiphenyl	42740-50-1
	2,2',3,4',5,5'-hexachlorobiphenyl	51908-16-8
	2,3,4',6-tetrachlorobiphenyl	52663-58-8
	2,2',3,4-tetrachlorobiphenyl	52663-59-9
	2,2',3,3',6-pentachlorobiphenyl	52663-60-2
	2,2',3,5,5'-pentachlorobiphenyl	52663-61-3
	2,2',3,3',4-pentachlorobiphenyl	52663-62-4
	2,2',3,5,5',6-hexachlorobiphenyl	52663-63-5
	2,2',3,3',5,6,6'-heptachlorobiphenyl	52663-64-6
	2,2',3,3',4,6,6'-heptachlorobiphenyl	52663-65-7

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	2,2',3,3',4,5'-hexachlorobiphenyl	52663-66-8
	2,2',3,3',5,5',6-heptachlorobiphenyl	52663-67-9
	2,2',3,4',5,5',6-heptachlorobiphenyl	52663-68-0
	2,2',3,4,4',5',6-heptachlorobiphenyl	52663-69-1
	2,2',3,3',4,5',6'-heptachlorobiphenyl	52663-70-4
	2,2',3,3',4,4',6-heptachlorobiphenyl	52663-71-5
	2,3',4,4',5,5'-hexachlorobiphenyl	52663-72-6
	2,2',3,3',4,5,6,6'-octachlorobiphenyl	52663-73-7
	2,2',3,3',4,5,5'-heptachlorobiphenyl	52663-74-8
	2,2',3,3',4,5,5',6'-octachlorobiphenyl	52663-75-9
	2,2',3,4,4',5,5',6-octachlorobiphenyl	52663-76-0
	2,2',3,3',4,5,5',6,6'-nonachlorobiphenyl	52663-77-1
	2,2',3,3',4,4',5,6-octachlorobiphenyl	52663-78-2
	2,2',3,3',4,4',5,6,6'-nonachlorobiphenyl	52663-79-3
	2,2',3,3',5,6-hexachlorobiphenyl	52704-70-8
	2,2',3,4,5,5'-hexachlorobiphenyl	52712-04-6
	2,2',3,4,5,5',6-heptachlorobiphenyl	52712-05-7
	2,2',3,3',5,6'-hexachlorobiphenyl	52744-13-5
	PCB 1242	53469-21-9
	3,4,5-trichlorobiphenyl	53555-66-1
	nonachlorobiphenyl	53742-07-7
	2,3,4,6-tetrachlorobiphenyl	54230-22-7
	(+)-2,2',3,4,6-pentachlorobiphenyl	55215-17-3
	2,2',3,3',4,5-hexachlorobiphenyl	55215-18-4
	2,2',3,4,5-pentachlorobiphenyl	55312-69-1
	2,3,6-trichlorobiphenyl	55702-45-9
	2,3,4-trichlorobiphenyl	55702-46-0
	2,3',4-trichlorobiphenyl	55712-37-3
	2,3,5-trichlorobiphenyl	55720-44-0
	octachlorobiphenyl	55722-26-4
	(+)-2,2',3,4,4',6-hexachlorobiphenyl	56030-56-9
	2,2',4,6,6'-pentachlorobiphenyl	56558-16-8
	2,3',4,4',6-pentachlorobiphenyl	56558-17-9
	2,3',4,5',6-pentachlorobiphenyl	56558-18-0
	3,3',4,4',5-pentachlorobiphenyl	57465-28-8
	2,2',3,4,4',6'-hexachlorobiphenyl	59291-64-4
	2,3',4,4',5',6-hexachlorobiphenyl	59291-65-5
	2,2',3,3',5-pentachlorobiphenyl	60145-20-2
	2,2',4,5',6-pentachlorobiphenyl	60145-21-3
	2,2',4,4',5,6'-hexachlorobiphenyl	60145-22-4
	2,2',3,4,4',5,6'-heptachlorobiphenyl	60145-23-5
	2,3',4,6-tetrachlorobiphenyl	60233-24-1
	2,2',3,4',6'-pentachlorobiphenyl	60233-25-2
	2,2',3,3',4,6-hexachlorobiphenyl	61798-70-7
	2,4,4' (or 3,4,4')-trichlorobiphenyl	62461-62-5
	2,2',4,6-tetrachlorobiphenyl	62796-65-0
	2,3',4,4',5'-pentachlorobiphenyl	65510-44-3
	2,2',3,4,4'-pentachlorobiphenyl	65510-45-4
	2,2',4,6'-tetrachlorobiphenyl	68194-04-7
	2,2',3,4',6-pentachlorobiphenyl	68194-05-8
	2,2',4,5,6'-pentachlorobiphenyl	68194-06-9
	2,2',3,4',5-pentachlorobiphenyl	68194-07-0
	2,2',3,4',6,6'-hexachlorobiphenyl	68194-08-1
	2,2',3,5,6,6'-hexachlorobiphenyl	68194-09-2
	2,3,3',5',6-pentachlorobiphenyl	68194-10-5
	2,3,4',5,6-pentachlorobiphenyl	68194-11-6
	2,3',4,5,5'-pentachlorobiphenyl	68194-12-7
	2,2',3,4',5,6-hexachlorobiphenyl	68194-13-8
	2,2',3,4,5',6-hexachlorobiphenyl	68194-14-9
	2,2',3,4,5,6'-hexachlorobiphenyl	68194-15-0
	2,2',3,3',4,5,6-heptachlorobiphenyl	68194-16-1
	2,2',3,3',4,5,5',6-octachlorobiphenyl	68194-17-2
	2,3,3',4,4',5'-hexachlorobiphenyl	69782-90-7

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	2,3,3',4',5,5',6-heptachlorobiphenyl	69782-91-8
	2,3,3',4,5'-pentachlorobiphenyl	70362-41-3
	2,2',3,6-tetrachlorobiphenyl	70362-45-7
	2,2',3,5-tetrachlorobiphenyl	70362-46-8
	2,2',4,5-tetrachlorobiphenyl	70362-47-9
	2,3',4',5'-tetrachlorobiphenyl	70362-48-0
	3,3',4,5-tetrachlorobiphenyl	70362-49-1
	3,4,4',5-tetrachlorobiphenyl	70362-50-4
	2,3,3',5-tetrachlorobiphenyl	70424-67-8
	2,3,3',4',5-pentachlorobiphenyl	70424-68-9
	2,3,3',4,5-pentachlorobiphenyl	70424-69-0
	2,3',4',5,5'-pentachlorobiphenyl	70424-70-3
	2,3',4,5'-tetrachlorobiphenyl	73575-52-7
	2,3',4,5-tetrachlorobiphenyl	73575-53-8
	2,2',3,6,6'-pentachlorobiphenyl	73575-54-9
	2,2',3,5,6'-pentachlorobiphenyl	73575-55-0
	2,2',3,5,6-pentachlorobiphenyl	73575-56-1
	2,2',3,4,6'-pentachlorobiphenyl	73575-57-2
	2,3',5',6-tetrachlorobiphenyl	74338-23-1
	2,3,3',4-tetrachlorobiphenyl	74338-24-2
	2,3,3',6-tetrachlorobiphenyl	74472-33-6
	2,3,4',5-tetrachlorobiphenyl	74472-34-7
	2,3,3',4,6-pentachlorobiphenyl	74472-35-8
	2,3,3',5,6-pentachlorobiphenyl	74472-36-9
	2,3,4,4',5-pentachlorobiphenyl	74472-37-0
	2,3,4,4',6-pentachlorobiphenyl	74472-38-1
	2,3',4',5',6-pentachlorobiphenyl	74472-39-2
	2,2',3,4,6,6'-hexachlorobiphenyl	74472-40-5
	2,2',3,4',5,6'-hexachlorobiphenyl	74472-41-6
	2,3,3',4,4',6-hexachlorobiphenyl	74472-42-7
	2,3,3',4,5',6-hexachlorobiphenyl	74472-43-8
	2,3,3',4',5,6-hexachlorobiphenyl	74472-44-9
	2,3,3',4',5',6-hexachlorobiphenyl	74472-45-0
	2,3,3',5,5',6-hexachlorobiphenyl	74472-46-1
	2,2',3,4,4',5,6-heptachlorobiphenyl	74472-47-2
	2,2',3,4,4',6,6'-heptachlorobiphenyl	74472-48-3
	2,2',3,4,5,6,6'-heptachlorobiphenyl	74472-49-4
	2,3,3',4,4',5',6-heptachlorobiphenyl	74472-50-7
	2,3,3',4,5,5',6-heptachlorobiphenyl	74472-51-8
	2,2',3,4,4',5,6,6'-octachlorobiphenyl	74472-52-9
	2,3,3',4,4',5,5',6-octachlorobiphenyl	74472-53-0
	2,2',3,4',5,6,6'-heptachlorobiphenyl	74487-85-7
	2,3,3',4',5'-pentachlorobiphenyl	76842-07-4
	Mixture of PCB 1248 and PCB 1254	89000-29-3
	2,4',?-trichlorobiphenyl	94487-00-0
	2,3,?' (or 3,4,?')-trichlorobiphenyl	97122-18-4
	2,4,?' (2,6,?' or 3,5,?')-trichlorobiphenyl	97122-20-8
	(+)-2,2',3,4,6-pentachlorobiphenyl	99554-08-2
	(+)-2,2',3,4,4',6-hexachlorobiphenyl	99554-09-3
	(+)-2,2',3,4,6-pentachlorobiphenyl	99554-10-6
	(-)-2,2',3,4,6-pentachlorobiphenyl	99554-11-7
	(+)-2,2',3,4,4',6-hexachlorobiphenyl	99554-12-8
	(-)-2,2',3,4,4',6-hexachlorobiphenyl	99554-13-9
	2,2',3,4,4',5(or 2,2',3,4,4',5')-hexachlorobiphenyl	108145-39-7
	(R)-2,2',3,3',4,4',6,6'-octachlorobiphenyl	109328-45-2
	(S)-2,2',3,3',4,4',6,6'-octachlorobiphenyl	109328-46-3
	2,2',3,6,6',?-hexachlorobiphenyl	111276-74-5
	2,4,4',?,?-pentachlorobiphenyl	111276-75-6
	2,2',6',?,?-pentachlorobiphenyl	111276-76-7
	2,2',5,6',?,?-hexachlorobiphenyl	111276-77-8
	2,?,?-trichlorobiphenyl	111276-78-9
	4,4',?,?,?-hexachlorobiphenyl	111276-79-0
	2,2',5,6',?,?,?-heptachlorobiphenyl	111276-80-3

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	4,4',?,?,?-pentachlorobiphenyl	111276-81-4
	2,3,3',4,4',5,5',?-octachlorobiphenyl	111276-82-5
	2,2',5,6',?,?,?-octachlorobiphenyl	111276-83-6
	(+)-2,2',3,6-tetrachlorobiphenyl	151262-31-6
	(-)-2,2',3,6-tetrachlorobiphenyl	151262-32-7
	(+)-2,2',3,5',6-pentachlorobiphenyl	151262-34-9
	(-)-2,2',3,5',6-pentachlorobiphenyl	151262-35-0
	(S)-2,2',3,3',6-pentachlorobiphenyl	153153-43-6
	(R)-2,2',3,3',6-pentachlorobiphenyl	153153-44-7
	(S)-2,2',3,4',6-pentachlorobiphenyl	153153-45-8
	(R)-2,2',3,4',6-pentachlorobiphenyl	153153-46-9
	(S)-2,2',3,3',4,6'-hexachlorobiphenyl	153153-47-0
	(R)-2,2',3,3',4,6'-hexachlorobiphenyl	153153-48-1
	(S)-2,2',3,3',6,6'-hexachlorobiphenyl	153153-49-2
	(R)-2,2',3,3',6,6'-hexachlorobiphenyl	153153-50-5
	(R)-2,2',3,4',5',6-hexachlorobiphenyl	159000-96-1
	(S)-2,2',3,4',5',6-hexachlorobiphenyl	159000-97-2
	(R)-2,2',3,3',4,4',6-heptachlorobiphenyl	176914-46-8
	(R)-2,2',3,4,4',5',6-heptachlorobiphenyl	176914-47-9
	(S)-2,2',3,3',4,4',6-heptachlorobiphenyl	176914-48-0
	(S)-2,2',3,4,4',5',6-heptachlorobiphenyl	176914-49-1
	(R)-2,2',3,3',4,4',5,6'-octachlorobiphenyl	177020-15-4
	(S)-2,2',3,3',4,4',5,6'-octachlorobiphenyl	177020-16-5
	(R)-2,2',3,3',4,6-hexachlorobiphenyl	179678-26-3
	(S)-2,2',3,3',4,6-hexachlorobiphenyl	179678-27-4
	(R)-2,2',3,3',4,5,6'-heptachlorobiphenyl	179678-28-5
	(S)-2,2',3,3',4,5,6'-heptachlorobiphenyl	179678-29-6
	(R)-2,2',3,3',4,5',6-heptachlorobiphenyl	179678-30-9
	(S)-2,2',3,3',4,5',6-heptachlorobiphenyl	179678-31-0
	(R)-2,2',3,3',4,6,6'-heptachlorobiphenyl	179678-32-1
	(S)-2,2',3,3',4,6,6'-heptachlorobiphenyl	179678-33-2
	(R)-2,2',3,3',5,6'-hexachlorobiphenyl	205991-67-9
	(S)-2,2',3,3',5,6'-hexachlorobiphenyl	205991-68-0
	(R)-2,2',3,4,5',6-hexachlorobiphenyl	205991-69-1
	(S)-2,2',3,4,5',6-hexachlorobiphenyl	205991-70-4
	(+)-2,2',3,3',6-pentachlorobiphenyl	207004-27-1
	(+)-2,2',3,3',4,6'-hexachlorobiphenyl	207004-28-2
	(-)-2,2',3,3',5,6'-hexachlorobiphenyl	207004-29-3
	(+)-2,2',3,3',6,6'-hexachlorobiphenyl	207004-30-6
	(-)-2,2',3,3',4,5,6'-heptachlorobiphenyl	207004-31-7
	(+)-2,2',3,3',4,6,6'-heptachlorobiphenyl	207004-32-8
	(+)-2,2',3,3',4,6-hexachlorobiphenyl	207004-33-9
	(+)-2,2',3,3',4,5',6-heptachlorobiphenyl	207004-34-0
	(+)-2,2',3,3',4,4',5,6'-octachlorobiphenyl	207004-35-1
	(+)-2,2',3,4',5',6-hexachlorobiphenyl	207004-36-2
	(+)-2,2',3,4,5',6-hexachlorobiphenyl	228420-06-2
	(+)-2,2',3,4,4',5',6-heptachlorobiphenyl	228420-07-3
2	多氯萘 (含氯数在2以上)	
	示例物质	CAS No.
	Pentachloronaphthalene	1321-64-8
	Trichloronaphthalene	1321-65-9
	Hexachloronaphthalene	1335-87-1
	Tetrachloronaphthalene	1335-88-2
	1,5-Dichloronaphthalene	1825-30-5
	1,4-Dichloronaphthalene	1825-31-6
	1,2-Dichloronaphthalene	2050-69-3
	1,6-Dichloronaphthalene	2050-72-8
	1,7-Dichloronaphthalene	2050-73-9
	1,8-Dichloronaphthalene	2050-74-0
	2,3-Dichloronaphthalene	2050-75-1
	2,6-Dichloronaphthalene	2065-70-5
	1,3-Dichloronaphthalene	2198-75-6
	2,7-Dichloronaphthalene	2198-77-8

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	Perchloronaphthalene	2234-13-1
	1,4,6-Trichloronaphthalene	2437-54-9
	1,4,5-Trichloronaphthalene	2437-55-0
	1,4,5,8-Tetrachloronaphthalene	3432-57-3
	1,2,4,8-Tetrachloronaphthalene	6529-87-9
	1,2,4,5-Tetrachloronaphthalene	6733-54-6
	1,2,3,6,7,8-Hexachloronaphthalene	17062-87-2
	1,2,3,4-Tetrachloronaphthalene	20020-02-4
	Dichloronaphthalene	28699-88-9
	1,3,5,8-Tetrachloronaphthalene	31604-28-1
	Heptachloronaphthalene	32241-08-0
	2,3,6,7-Tetrachloronaphthalene	34588-40-4
	1,2,4-Trichloronaphthalene	50402-51-2
	1,2,3-Trichloronaphthalene	50402-52-3
	1,3,5-Trichloronaphthalene	51570-43-5
	1,2,6-Trichloronaphthalene	51570-44-6
	1,2,4,6-Tetrachloronaphthalene	51570-45-7
	1,2,3,5-Tetrachloronaphthalene	53555-63-8
	1,3,5,7-Tetrachloronaphthalene	53555-64-9
	1,2,3,5,7-Pentachloronaphthalene	53555-65-0
	1,2,5-Trichloronaphthalene	55720-33-7
	1,2,7-Trichloronaphthalene	55720-34-8
	1,2,8-Trichloronaphthalene	55720-35-9
	1,3,6-Trichloronaphthalene	55720-36-0
	1,3,7-Trichloronaphthalene	55720-37-1
	1,3,8-Trichloronaphthalene	55720-38-2
	1,6,7-Trichloronaphthalene	55720-39-3
	2,3,6-Trichloronaphthalene	55720-40-6
	1,2,3,7-Tetrachloronaphthalene	55720-41-7
	1,3,6,7-Tetrachloronaphthalene	55720-42-8
	1,4,6,7-Tetrachloronaphthalene	55720-43-9
	1,2,3,4,5,6,7-Heptachloronaphthalene	58863-14-2
	1,2,3,4,5,6,8-Heptachloronaphthalene	58863-15-3
	1,2,3,4,5,6-Hexachloronaphthalene	58877-88-6
	1,2,4,7-Tetrachloronaphthalene	67922-21-8
	1,2,5,6-Tetrachloronaphthalene	67922-22-9
	1,2,5,7-Tetrachloronaphthalene	67922-23-0
	1,2,6,8-Tetrachloronaphthalene	67922-24-1
	1,2,3,4,5-Pentachloronaphthalene	67922-25-2
	1,2,3,4,6-Pentachloronaphthalene	67922-26-3
	1,2,3,4,5,7-Hexachloronaphthalene	67922-27-4
	Naphthalene, chloro derivatives	70776-03-3
	1,2,4,5,6,8-Hexachloronaphthalene	90948-28-0
	1,2,4,5,7,8-Hexachloronaphthalene	103426-92-2
	1,2,3,4,5,8-Hexachloronaphthalene	103426-93-3
	1,2,3,5,7,8-Hexachloronaphthalene	103426-94-4
	1,2,3,5,6,8-Hexachloronaphthalene	103426-95-5
	1,2,3,4,6,7-Hexachloronaphthalene	103426-96-6
	1,2,3,5,6,7-Hexachloronaphthalene	103426-97-7
	1,2,3,6-Tetrachloronaphthalene	149864-78-8
	1,2,6,7-Tetrachloronaphthalene	149864-79-9
	1,2,5,8-Tetrachloronaphthalene	149864-80-2
	1,2,3,8-Tetrachloronaphthalene	149864-81-3
	1,2,7,8-Tetrachloronaphthalene	149864-82-4
	1,2,3,7,8-Pentachloronaphthalene	150205-21-3
	1,3,6,8-Tetrachloronaphthalene	150224-15-0
	1,2,3,6,7-Pentachloronaphthalene	150224-16-1
	1,2,4,6,7-Pentachloronaphthalene	150224-17-2
	1,2,3,5,6-Pentachloronaphthalene	150224-18-3
	1,2,4,5,7-Pentachloronaphthalene	150224-19-4
	1,2,4,5,6-Pentachloronaphthalene	150224-20-7
	1,2,4,7,8-Pentachloronaphthalene	150224-21-8
	1,2,4,6,8-Pentachloronaphthalene	150224-22-9

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	1,2,3,6,8-Pentachloronaphthalene	150224-23-0
	1,2,3,5,8-Pentachloronaphthalene	150224-24-1
	1,2,4,5,8-Pentachloronaphthalene	150224-25-2
3	六氯苯	
	示例物质	CAS No.
	Perchlorobenzene	118-74-1
4	1,2,3,4,10,10-六氯-1,4,4a,5,8,8a-六氢-1,4:5,8-桥, 挂-二甲撑萘	艾氏剂
	示例物质	CAS No.
	rel-(1R,2R,3R,6S,7S,8S)-1,8,9,10,11,11-Hexachlorotetracyclo[6.2.1.1(3,6).0(2,7)]dodeca-4,9-diene	309-00-2
5	六氯-环氧八氢-二甲撑萘; 1,2,3,4,10,10-六氯-6,7-环氧-1,4,4a,5,6,7,8,8a-八氢-1,4-桥-5,8-挂二亚甲基萘	狄氏剂
	示例物质	CAS No.
	rel-(1R,2S,3S,6R,7R,8S,9S,11R)-3,4,5,6,13,13-Hexachloro-10-oxapentacyclo[6.3.1.1(3,6).0(2,7).0(9,11)]tridec-4-ene	60-57-1
	1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene	128-10-9
6	1,2,3,4,10,10-六氯-6,7-环氧-1,4,4a,5,6,7,8,8a-八氢-1,4-挂-5,8-二亚甲基萘	异狄氏剂
	示例物质	CAS No.
	rel-(1R,2R,3R,6S,7S,8S,9S,11R)-3,4,5,6,13,13-Hexachloro-10-oxapentacyclo[6.3.1.1(3,6).0(2,7).0(9,11)]tridec-4-ene	72-20-8
	1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene	128-10-9
7	二氯二苯三氯乙烷	DDT
	示例物质	CAS No.
	1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3
8	1,2,4,5,6,7,8,8-八氯-2,3,3a,4,7,7a-六氢-4,7-亚甲桥茛; 1,4,5,6,7,8,8-七氯-3a,4,7,7a-四氢-4,7-亚甲基-1-茛 及其相关化合物的混合物	氯丹或七氯
	示例物质	CAS No.
	1,3,4,7,8,9,10,10-Octachlorotricyclo[5.2.1.0(2,6)]dec-8-ene	57-74-9
	1,5,7,8,9,10,10-Heptachlorotricyclo[5.2.1.0(2,6)]deca-3,8-diene	76-44-8
	rel-(1R,2S,3R,4S,6S,7S)-1,3,4,7,8,9,10,10-Octachlorotricyclo[5.2.1.0(2,6)]dec-8-ene	5103-71-9
	rel-(1R,2S,3R,4R,6S,7S)-1,3,4,7,8,9,10,10-Octachlorotricyclo[5.2.1.0(2,6)]dec-8-ene	5103-74-2
	1,4,4,7,8,9,10,10-Octachlorotricyclo[5.2.1.0(2,6)]dec-8-ene	5566-34-7
	1,8,9,10,11,11-Hexachloro-4-oxatetracyclo[6.2.1.0(2,7).0(3,5)]undec-9-ene	6058-23-7
	Chlordane	12789-03-6
	rel-(1aR,1bS,2R,5S,5aR,6S,6aS)-2,3,4,5,6,6a,7,7-Octachloro-1a,1b,5,5a,6,6a-hexahydro-2H-2,5-methanoindeno[1,2-b]oxirene	27304-13-8
	rel-(1R,4S,7S,8S,9S)-2,3,4,5,6,9-Hexachlorotricyclo[5.2.1.0(4,8)]deca-2,5-diene	56534-03-3
	rel-(1R,4S,7S,8S,10S)-2,3,4,5,6,10-Hexachlorotricyclo[5.2.1.0(4,8)]deca-2,5-diene	56641-38-4
9	二(三丁基锡)氧化物	
	示例物质	CAS No.
	1,1,1,3,3,3-Hexabutyldistannoxane	56-35-9
10	N,N'-二甲苯基对苯二胺、N-甲基基-N'-二甲苯基对苯二胺或者N,N'-二甲苯基对苯二胺	
	示例物质	CAS No.
	N,N'-Di-4-tolyl-1,4-phenylenediamine	620-91-7
	N,N'-Di-2-tolyl-1,4-phenylenediamine	15017-02-4
	N,N'-Ditolyl-1,4-phenylenediamine	27417-40-9
	N,N'-Bis(dimethylphenyl)-1,4-phenylenediamine	28726-30-9
	N,N'-(Mixed phenyl and tolyl) derivatives of benzene-1,4-diamine	68953-84-4
	N-(Dimethylphenyl)-N'-tolyl-1,4-phenylenediamine	70290-05-0
11	2,4,6-三叔丁基苯酚	
	示例物质	CAS No.
	2,4,6-Tri-tert-butylphenol	732-26-3

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
12	多氯-2,2-二甲基-3-亚甲基双环[2.2.1]庚烷	毒杀芬
	示例物质	CAS No.
	Toxaphene	8001-35-2
13	十二氯代(五环[5.3.0.0(2,6),0(3,9),0(4,8)]癸烷)	灭蚁灵
	示例物质	CAS No.
	Perchloropentacyclo[5.3.0.0(2,6).0(3,9).0(4,8)]decane	2385-85-5
14	2,2,2-三氯-1-(2-氯苯基)-1-(4-氯苯基)乙醇 或 2,2,2-三氯-1,1-双(4-氯苯基)乙醇	开乐散或三氯杀螨醇
	示例物质	CAS No.
	2,2,2-Trichloro-1,1-bis(4-chlorophenyl)ethanol	115-32-2
	2,2,2-Trichloro-1-(2-chlorophenyl)-1-(4-chlorophenyl)ethanol	10606-46-9
15	六氯代-1,3-丁二烯	
	示例物质	CAS No.
	Perchlorobuta-1,3-diene	87-68-3
16	2-(2H-1,2,3-苯并三唑-2-基)-4,6-二-叔丁基苯酚	
	示例物质	CAS No.
	2-(2H-1,2,3-Benzotriazol-2-yl)-4,6-di-tert-butylphenol	3846-71-7
17	全氟辛烷磺酸或其盐	P F O S
	示例物质	CAS No.
	Perfluoro(octane-1-sulfonic acid)	1763-23-1
	Potassium perfluorooctane-1-sulfonate	2795-39-3
	Sodium perfluoro(octane-1-sulfonate)	4021-47-0
	Ammonium perfluorooctane-1-sulfonate	29081-56-9
	Lithium perfluorooctane-1-sulfonate	29457-72-5
	Tetraethylammonium perfluorooctane-1-sulfonate	56773-42-3
	Potassium salt of perfluoroalkane(C=6-12)sulfonic acid	68391-09-3
	Compound of 2,2'-iminodiethanol and perfluorooctane-1-sulfonic acid (1:1)	70225-14-8
	Piperidin-1-ium perfluorooctane-1-sulfonate	71463-74-6
	Magnesium bis(perfluorooctane-1-sulfonate)	91036-71-4
	Sulfonic acids, C6-12-alkane, perfluoro	93572-72-6
	Perfluoro(octane-1-sulfonic acid) (Synonym: PFOS) or its salts	160869-62-5
	Didecan-1-yl(dimethyl)ammonium perfluorooctane-1-sulfonate	251099-16-8
18	全氟辛烷磺酰氟	P F O S F
	示例物质	CAS No.
	Perfluorooctane-1-sulfonyl fluoride	307-35-7
19	五氯苯	
	示例物质	CAS No.
	1,2,3,4,5-Pentachlorobenzene	608-93-5
20	r-1·c-2·t-3·c-4·t-5·t-6-六氯化苯	α-六氯环己烷
	示例物质	CAS No.
	r-1,c-2,t-3,c-4,t-5,t-6-Hexachlorocyclohexane	319-84-6
21	r-1·t-2·c-3·t-4·c-5·t-6-六氯化苯	β-六氯环己烷
	示例物质	CAS No.
	r-1,t-2,c-3,t-4,c-5,t-6-Hexachlorocyclohexane	319-85-7
22	r-1·c-2·t-3·c-4·c-5·t-6-六氯化苯	γ-六氯环己烷或林丹
	示例物质	CAS No.
	r-1,c-2,t-3,c-4,c-5,t-6-Hexachlorocyclohexane	58-89-9
23	十氯五环[5·3·0·0(2·6)·0(3·9)·0(4·8)]癸烷-5-酮	十氯酮
	示例物质	CAS No.
	Perchloropentacyclo[5.3.0.0(2,6).0(3,9).0(4,8)]decan-5-one	143-50-0
24	六溴联苯	
	示例物质	CAS No.
	Hexabromobiphenyl	36355-01-8
	2,2',4,4',5,6'-Hexabromobiphenyl	36402-15-0
	2,2',3,3',5,5'-Hexabromobiphenyl	55066-76-7
	2,2',4,4',5,5'-Hexabromobiphenyl	59080-40-9
	2,2',4,4',6,6'-Hexabromobiphenyl	59261-08-4

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	3,3',4,4',5,5'-Hexabromobiphenyl	60044-26-0
	2,2',3,4,4',5'-Hexabromobiphenyl	67888-98-6
	2,3',4,4',5,5'-Hexabromobiphenyl	67888-99-7
	2,2',3,4',5',6-Hexabromobiphenyl	69278-59-7
	2,3,3',4,4',5-Hexabromobiphenyl	77607-09-1
	2,2',3,4,4',5-Hexabromobiphenyl	81381-52-4
	2,2',3,3',4,4'-Hexabromobiphenyl	82865-89-2
	2,2',3,3',4,5'-Hexabromobiphenyl	82865-90-5
	2,3,3',4',5',6-Hexabromobiphenyl	82865-91-6
	2,3,3',4,4',5'-Hexabromobiphenyl	84303-47-9
	2,3',4,4',5',6-Hexabromobiphenyl	84303-48-0
	2,2',3,4',6,6'-Hexabromobiphenyl	93261-83-7
	2,2',3,3',4,6'-Hexabromobiphenyl	119264-50-5
	2,2',3,3',5,6'-Hexabromobiphenyl	119264-51-6
	2,2',3,4,5',6-Hexabromobiphenyl	119264-52-7
	2,2',3,5,5',6-Hexabromobiphenyl	119264-53-8
	2,2',3,4,5,5'-Hexabromobiphenyl	120991-47-1
	2,3,3',4,5,5'-Hexabromobiphenyl	120991-48-2
25	四溴联苯醚	四溴二苯醚
	示例物质	CAS No.
	2,4-Dibromo-1-(2,4-dibromophenoxy) benzene	5436-43-1
	Tetrabromo(phenoxybenzene)	40088-47-9
	1,2-Dibromo-4-(3,4-dibromophenoxy) benzene	93703-48-1
	1,3-Dibromo-5-(3,5-dibromophenoxy) benzene	103173-66-6
26	五溴联苯醚	五溴二苯醚
	示例物质	CAS No.
	Pentabromo(phenoxybenzene)	32534-81-9
	1,2,4-Tribromo-5-(2,4-dibromophenoxy) benzene	60348-60-9
	1,2,3,4,5-Pentabromo-6-phenoxybenzene	189084-65-9
27	六溴联苯醚	六溴二苯醚
	示例物质	CAS No.
	Tribromo(tribromophenoxy) benzene	31153-30-7
	1,3,5-Tribromo-2-(2,4,6-tribromophenoxy) benzene	35854-94-5
	Hexabromo(phenoxybenzene)	36483-60-0
	1,2,4-Tribromo-5-(2,4,5-tribromophenoxy) benzene	68631-49-2
	1,2,4,5-Tetrabromo-3-(2,4-dibromophenoxy) benzene	116995-33-6
	1,3,5-Tribromo-2-(2,4,5-tribromophenoxy) benzene	207122-15-4
28	七溴联苯醚	七溴二苯醚
	示例物质	CAS No.
	Heptabromo(phenoxybenzene)	68928-80-3
	1,2,4,5-Tetrabromo-3-(2,4,6-tribromophenoxy) benzene	116995-32-5
	1,2,3,5-Tetrabromo-4-(2,4,6-tribromophenoxy) benzene	117948-63-7
	1,2,3,5-Tetrabromo-4-(2,4,5-tribromophenoxy) benzene	207122-16-5
	1,2,3,5-Tetrabromo-4-(2,3,5-tribromophenoxy) benzene	446255-22-7
29	6,7,8,9,10,10-六氯-1,5,5A,6,9,9A-六氢-6,9-亚甲基-2,4,3-苯并二噁噻 频-3-氧化物	硫丹或安杀丹
	示例物质	CAS No.
	1,9,10,11,12,12-Hexachloro-5-oxo-4,6-dioxo-5lambda(4)- thiatricyclo[7.2.1.0(2,8)]dodec-10-ene	115-29-7
	(3s,5aR,6R,9S,9aS)-6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a- hexahydro-3H-6,9-methano-2,4,3-benzodioxathiepine 3-oxide	959-98-8
	(3r,5aR,6R,9S,9aS)-6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a- hexahydro-3H-6,9-methano-2,4,3-benzodioxathiepine 3-oxide	33213-65-9
30	六溴环十二烷	
	示例物质	CAS No.
	1,2,5,6,9,10-Hexabromocyclododecane	3194-55-6
	rel-(1R,2S,5R,6S,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane	4736-49-6
	Hexabromocyclododecane	25637-99-4
	rel-(1R,2S,5R,6S,9S,10R)-1,2,5,6,9,10-Hexabromocyclododecane	65701-47-5
	Hexabromocyclododecane	74398-41-7

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	rel-(1R,2R,5S,6R,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane	134237-50-6
	rel-(1R,2S,5R,6R,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane	134237-51-7
	rel-(1R,2R,5R,6S,9S,10R)-1,2,5,6,9,10-Hexabromocyclododecane	134237-52-8
	(1R,2R,5R,6S,9S,10S)-1,2,5,6,9,10-Hexabromocyclododecane	138257-17-7
	(1R,2R,5R,6S,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane	138257-18-8
	(1R,2S,5S,6R,9S,10S)-1,2,5,6,9,10-Hexabromocyclododecane	138257-19-9
	(1R,2S,5S,6S,9S,10R)-1,2,5,6,9,10-Hexabromocyclododecane	169102-57-2
	Hexabromocyclododecane	673456-49-0
	(1R,2R,5S,6R,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane	678970-15-5
	(1R,2S,5R,6S,9S,10S)-1,2,5,6,9,10-Hexabromocyclododecane	678970-16-6
	(1R,2R,5R,6S,9S,10R)-1,2,5,6,9,10-Hexabromocyclododecane	678970-17-7
	Hexabromocyclododecane	878049-04-8
	Hexabromocyclododecane	878049-05-9
	The CAS RN before replacement had been CAS RN 1380399-86-9.	878049-06-0
	The CAS RN before replacement had been CAS RN 138257-17-7.	878049-07-1
	Hexabromocyclododecane	878049-08-2
	Hexabromocyclododecane	1027045-74-4
	Hexabromocyclododecane	1093632-34-8
	Hexabromocyclododecane	1235106-66-7
	Hexabromocyclododecane	1380399-84-7
	Hexabromocyclododecane	1380399-85-8
	Hexabromocyclododecane	1380399-87-0
	Hexabromocyclododecane	1392102-29-2
	Hexabromocyclododecane	1392102-30-5
	Hexabromocyclododecane	1392102-31-6
31	五氯酚或其盐或酯	
	示例物质	CAS No.
	1-Hexadecanaminium, N,N,N-trimethyl-, salt with pentachlorophenol (1:1)	87-76-3
	2,3,4,5,6-Pentachlorophenol	87-86-5
	Sodium Pentachlorophenate	131-52-2
	Copper(II) bis(2,3,4,5,6-pentachlorophenolate)	2917-31-9
	Zinc bis(pentachlorophenolate)	2917-32-0
	Tributyl(pentachlorophenoxy)stannane	3644-38-0
	Pentachlorophenyl laurate	3772-94-9
	Methyl(pentachlorophenolato)mercury	5902-76-1
	Bis(pentachlorophenyl) carbonate	7497-08-7
	Potassium pentachlorophenolate	7778-73-6
	Pentachlorophenyl oleate	10443-46-6
	Pentachlorophenyl N(2)-[(benzyloxy)carbonyl]-L-glutamate	13673-51-3
	Pentachlorophenyl N-[(benzyloxy)carbonyl]-L-isoleucinate	13673-53-5
	Pentachlorophenyl (R)-2-[(benzyloxy)carbonyl]amino]-3-(benzylsulfanyl)propanoate	13673-54-6
	Pentachlorophenyl N-[(4-methoxybenzyl)oxy]carbonyl]-L-serinate	23234-97-1
	Sodium pentachlorophenolate decahydrate	27735-63-3
	Sodium pentachlorophenolate monohydrate	27735-64-4
	Pentachlorophenyl (S)-5-oxopyrrolidine-2-carboxylate	28990-85-4
	Phenol, pentachloro-, compd. with 2,2',2''-nitritotris[ethanol] (1:1)	32978-79-3
	Compound of abieta-8(14),9(11),12-trien-18-amine and pentachlorophenol	35109-57-0
	Benzoic acid, 2-hydroxy-, pentachlorophenyl ester	36994-69-1
	Pentachlorophenyl (R)-5-oxopyrrolidine-2-carboxylate	50654-95-0
	Pentachlorophenyl N-[(benzyloxy)carbonyl]-L-tyrosinate	55593-07-2
	Calcium bis(pentachlorophenolate)	55868-72-9
	Pentachlorophenyl 5-oxopyrrolidine-2-carboxylate	67246-71-3
	Compounds of coco alkyl amines and pentachlorophenol (1:1)	90640-52-1
	Coco-alkyl(trimethyl)ammonium pentachlorophenolates	91080-93-2
	Pentachlorophenyl ester of fatty acids(C=8-12)	98219-40-0
	Pentachlorophenyl ester of fatty acids(C=16-18)	98219-41-1

表1：禁止物质

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表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
32	聚氯化直链石蜡（仅限碳原子数为10到13且氯含量超过全部重量48%的情形。）	
	示例物质	CAS No.
	Undecane, 1,1,1,3,5,7,9,11,11-nonachloro-	18993-26-5
	Undecane, octachloro-	36312-81-9
	Paraffin waxes and Hydrocarbon waxes, chloro	63449-39-8
	1,1,1,2-Tetrachloroundecane	63981-28-2
	Chlorinated microcrystalline hydrocarbon waxes (petroleum)	68938-43-2
	Chloroparaffin oils	85422-92-0
	Chloroparaffins(C>10, linear chain, petroleum)	97553-43-0
	Chloroalkanes	61788-76-9
	Chloroalkanes(C=6-18)	68920-70-7
	Chloroalkanes(C=12-13)	71011-12-6
	Chloroalkanes(C=10-21)	84082-38-2
	Chloroalkanes(C=10-32)	84776-06-7
	Chloroalkanes(C=10-13)	85535-84-8
	Chloroalkanes(C=12-14)	85536-22-7
	Chloroalkanes(C=10-14)	85681-73-8
	Chloroalkanes(C=10-26)	97659-46-6
	Chloroalkanes(C=10-22)	104948-36-9
	Alkanes, C10-12, chloro	108171-26-2
	Undecane, heptachloro-	219697-10-6
	Undecane, nonachloro-	219697-11-7
	Undecane, 1,2,10,11,?,?,?-octachloro-	221174-07-8
	Undecane, decachloro-	276673-33-7
	Undecane, 1,1,1,3,6,7,10,11-octachloro-	601523-20-0
	Undecane, 1,1,1,3,9,11,11,11-octachloro-	601523-25-5
	Chloroalkanes(C=12-16)	866758-65-8
33	1,1'-氧双（2,3,4,5,6-五溴苯）	十溴二苯醚
	示例物质	CAS No.
	Decabromo-1,1'-oxybis(benzene)	1163-19-5
34	全氟辛酸（同义词：PFOA）或全氟烷酸（仅限于具有支链结构且碳数为8的）或其盐类	
	示例物质	CAS No.
	2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluorooctanoic acid	335-67-1
	Silver(1+) pentadecafluorooctanoate	335-93-3
	Sodium pentadecafluorooctanoate	335-95-5
	Compound of pentadecafluorooctanoic acid and piperazine (2:1)	423-52-9
	Compound of pentadecafluorooctanoic acid and 1-phenylpiperazine (1:1)	1514-68-7
	Potassium pentadecafluorooctanoate	2395-00-8
	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate	3825-26-1
	Ammonium 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(pentafluoroethyl)hexanoate	13058-06-5
	2,2,3,3,4,4,5,5,6,6,7,7,7-Dodecafluoro-6-(trifluoromethyl)heptanoic acid	15166-06-0
	Aluminium tris[2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)heptanoate]	15715-47-6
	Chromium salt of 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)heptanoic acid (1:?)	15739-82-9
	Lithium pentadecafluorooctanoate	17125-58-5
	Cesium pentadecafluorooctanoate	17125-60-9
	Sodium 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)heptanoate	18017-22-6
	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)heptanoate	19742-57-5
	Potassium 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)heptanoate	29457-73-6
	Tetramethylammonium pentadecafluorooctanoate	32609-65-7
	2,3,3,4,4,5,5,6,6,6-Decafluoro-2-(pentafluoroethyl)hexanoic acid	35605-76-6
	Cobalt (2+) bis(pentadecafluorooctanoate)	35965-01-6

表1：禁止物质

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No.	物质名称	别名
	Pentadecafluorooctanoate	45285-51-6
	Compound of 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)heptanoic acid and ethanamine (1:1)	54785-06-7
	Iron salt of 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)heptanoic acid(1:?)	61436-04-2
	Chromium(3+) tris(pentadecafluorooctanoate)	68141-02-6
	Perfluoro fatty acid(C=7-13)	68333-92-6
	Fatty acids, C7-13, perfluoro, compds. with ethylamine	69278-80-4
	Ammonium salts of perfluorofatty acids(C=6-18)	72623-77-9
	Ammonium salts of perfluorofatty acids(C=7-13)	72968-38-8
	Octanoic acid, pentadecafluoro-, branched	90480-55-0
	Octanoic acid, pentadecafluoro-, branched, ammonium salt	90480-56-1
	Perfluorofatty acids(C=7-19)	91032-01-8
	Compound of pentadecafluorooctanoic acid and pyridine(1:1)	95658-47-2
	Potassium pentadecafluorooctanoate dihydrate	98065-31-7
	Tetraethylammonium pentadecafluorooctanoate	98241-25-9
	Pentadecafluoroisooctanoic acid	123116-17-6
	2,3,3,4,4,5,5,6,6,7,7,7-Dodecafluoro-2-(trifluoromethyl)heptanoic acid	207678-51-1
	Ammonium 2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-2-(trifluoromethyl)heptanoate	207678-62-4
	Ammonium salt of perfluorofatty acid (C=7-19)	212013-54-2
	Ammonium pentadecafluoroisooctanoate	252300-28-0
	Tetrapropylammonium pentadecafluorooctanoate	277749-00-5
	2,2,3,4,4,5,5,6,6,7,7,7-Dodecafluoro-3-(trifluoromethyl)heptanoic acid	705240-04-6
	2,2,3,3,4,4,5,5,6,6,7,7,7-Dodecafluoro-5-(trifluoromethyl)heptanoic acid	909009-42-3
	Trimethyl(octyl)ammonium pentadecafluorooctanoate	927835-01-6
	2,2,3,3,4,4,5,5,6,6,7,7,7-Dodecafluoro-4-(trifluoromethyl)heptanoic acid	1144512-18-4
	2,2,3,3,4,4,6,6,6-Nonafluoro-5,5-bis(trifluoromethyl)hexanoic acid	1144512-34-4
	2,2,3,4,4,5,5,6,6,6-Nonafluoro-3,5-bis(trifluoromethyl)hexanoic acid	1144512-35-5
	2,2,3,3,4,4,5,5,6,6,6-Nonafluoro-4,5-bis(trifluoromethyl)hexanoic acid	1144512-36-6
	2,2,3,3,5,5,5,6,6,6-Nonafluoro-4,4-bis(trifluoromethyl)hexanoic acid	1192593-79-5
	Sodium 2,3,3,4,4,5,5,6,6,6-decafluoro-2-	1195164-59-0
	Compound of ethanamine and pentadecafluorooctanoic acid (1:1)	1376936-03-6
	3,3,4,4,5,5,6,6,6-Nonafluoro-2,2-bis(trifluoromethyl)hexanoic acid	1812247-17-8
	2,3,4,4,5,5,6,6,6-Nonafluoro-2,3-bis(trifluoromethyl)hexanoic acid	1812247-18-9
	2,3,3,4,4,5,5,6,6,6-Nonafluoro-2,4-bis(trifluoromethyl)hexanoic acid	1812247-19-0
	2,2,4,4,5,5,6,6,6-Nonafluoro-3,3-bis(trifluoromethyl)hexanoic acid	1812247-20-3
	3,3,4,4,4-Pentafluoro-2,2-bis(pentafluoroethyl)butanoic acid	1882109-58-1
	3,3,4,4,4-Pentafluoro-2-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-2-(trifluoromethyl)butanoic acid	1882109-59-2
	2,3,3,4,4,4-Hexafluoro-2-[1,1,1,3,3,3-hexafluoro-2-(trifluoromethyl)propan-2-yl]butanoic acid	1882109-60-5
	2,3,4,4,4-Pentafluoro-2-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-3-(trifluoromethyl)butanoic acid	1882109-61-6
	4,4,4-Trifluoro-2,2,3,3-tetrakis(trifluoromethyl)butanoic acid	1882109-62-7
	3,3,4,4,5,5,5-Heptafluoro-2-(pentafluoroethyl)-2-(trifluoromethyl)pentanoic acid	1882109-63-8
	2,3,4,4,5,5,5-Heptafluoro-2-(pentafluoroethyl)-3-(trifluoromethyl)pentanoic acid	1882109-64-9
	2,3,3,4,5,5,5-Heptafluoro-2-(pentafluoroethyl)-4-(trifluoromethyl)pentanoic acid	1882109-65-0
	2,3,4,4,5,5,5-Heptafluoro-3-(pentafluoroethyl)-2-(trifluoromethyl)pentanoic acid	1882109-66-1

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No.	物质名称	别名
	2,2,4,4,5,5,5-Heptafluoro-3-(pentafluoroethyl)-3-(trifluoromethyl)pentanoic acid	1882109-67-2
	2,2,3,4,4,5,5,5-Octafluoro-3-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)pentanoic acid	1882109-68-3
	3,4,4,5,5,5-Hexafluoro-2,2,3-tris(trifluoromethyl)pentanoic acid	1882109-69-4
	3,3,4,5,5,5-Hexafluoro-2,2,4-tris(trifluoromethyl)pentanoic acid	1882109-70-7
	2,4,4,5,5,5-Hexafluoro-2,3,3-tris(trifluoromethyl)pentanoic acid	1882109-71-8
	2,3,4,5,5,5-Hexafluoro-2,3,4-tris(trifluoromethyl)pentanoic acid	1882109-72-9
	2,3,3,5,5,5-Hexafluoro-2,4,4-tris(trifluoromethyl)pentanoic acid	1882109-73-0
	2,2,4,5,5,5-Hexafluoro-3,3,4-tris(trifluoromethyl)pentanoic acid	1882109-74-1
	2,2,3,5,5,5-Hexafluoro-3,4,4-tris(trifluoromethyl)pentanoic acid	1882109-75-2
	2,3,3,4,4,5,5,5-Octafluoro-2-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)pentanoic acid	1882109-76-3
	2,3,3,4,4,5,5,5-Octafluoro-2-(heptafluoropropyl)pentanoic acid	1882109-77-4
	2,2,3,4,4,5,5,6,6-Decafluoro-3-(pentafluoroethyl)hexanoic acid	1882109-78-5
	2,2,3,3,4,4,5,5,6,6-Decafluoro-4-(pentafluoroethyl)hexanoic acid	1882109-79-6
	2,3,3,4,4,5,6,6,6-Nonafluoro-2,5-bis(trifluoromethyl)hexanoic acid	1882109-80-9
	2,2,3,4,4,5,5,6,6,6-Nonafluoro-3,4-bis(trifluoromethyl)hexanoic acid	1882109-81-0
35	全氟辛酸相关化合物	
	示例物质	CAS No.
	1-[2-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluorooctanamido)ethyl]pyridin-1-iumchloride	308-01-0
	2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluorooctanal	335-60-4
	Pentadecafluorooctanoyl chloride	335-64-8
	2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluorooctanoyl fluoride	335-66-0
	Trimethyl[3-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanamido)propyl]ammonium iodide	335-90-0
	N-[3-(Dimethylamino)propyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanamide	376-23-8
	Methyl pentadecafluorooctanoate	376-27-2
	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-8-iodooctane	507-63-1
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Heptadecafluorodecan-1-ol	678-39-7
	Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluorodecyl)hydrogen phosphate	678-41-1
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Heptadecafluorodecyl methacrylate	1996-88-9
	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-iododecane	2043-53-0
	Dichloro(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)(methyl)silane	3102-79-2
	Ethyl pentadecafluorooctanoate	3108-24-5
	3-{Dimethyl[3-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanamido)propyl]ammonio}propanoate	5158-52-1
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodec-1-ene	21652-58-4
	3,4-Bis(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanamido)benzenesulfonyl chloride	24216-05-5
	1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecyl)pyridin-1-ium iodide	25935-14-2
	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-thiocyanatodecane	26650-10-2
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecane-1-sulfonyl chloride	27619-90-5
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecanoic acid	27854-31-5
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecyl acrylate	27905-45-9
	N-[3-(Dimethylazino)propyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanamide	30295-53-5
	Pentadecafluorooctanoic anhydride	33496-48-9
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecane-1-thiol	34143-74-3
	[{3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecyl)sulfonamido]propyl}(dimethyl)ammonio]acetate	34455-21-5
	N-[3-(Dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecane-1-sulfonamide	34455-23-7

表1: 禁止物质

以下物质被确定为禁止物质, 禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	3-[(2-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl)sulfonamido]ethyl)(dimethyl)ammonio]propanoate	34695-29-9
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecane-1-sulfonic acid	39108-34-4
	3-{Bis(2-hydroxyethyl)[3-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanamido)propyl]ammonio}propanoate	39186-68-0
	Bis(heptadecafluorooctyl)phosphinic acid	40143-79-1
	N-{3-[Bis(2-hydroxyethyl)amino]propyl}-2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanamide	41358-63-8
	1, 2-bis(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl)disulfane	42977-21-9
	Polymer of acrylic acid / 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctyl methacrylate	53515-73-4
	Trimethyl[3-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanamido)propyl]ammonium chloride	53517-98-9
	3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl)sulfanyl]propanoic acid	54207-62-4
	Sodium 1, 2-bis([(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl)oxy]carbonyl)ethanesulfonate	54950-06-0
	15, 15, 16, 16, 17, 17, 18, 18, 19, 19, 20, 20, 21, 21, 22, 22, 22-Heptadecafluoro-3, 6, 9, 12-tetraoxadocosan-1-ol	55427-54-8
	2-{2-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl)oxy]ethoxy}ethanol	56900-98-2
	Potassium 2-(N-ethyl-2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanamido)ethanesulfonate	57670-46-9
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl dihydrogen phosphate	57678-03-2
	Sodium 2-{3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl)sulfanyl]propanamido}-2-methylpropane-1-sulfonate	62880-96-0
	Ammonium 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl sulfate	63225-57-0
	Polymer of 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-henicosafuorododecyl methacrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl methacrylate/ methyl methacrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafuorotetradecylmethacrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-tridecafluorooctylmethacrylate	65104-45-2
	Ethyl (3-{3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl)sulfanyl]-2-methylpropanamido}propyl)(dimethyl)ammonium ethyl sulfate	67333-62-4
	27, 27, 28, 28, 29, 29, 30, 30, 31, 31, 32, 32, 33, 33, 34, 34, 34-Heptadecafluoro-3, 6, 9, 12, 15, 18, 21, 24-octaotetracontyl	67535-33-5
	24, 24, 25, 25, 26, 26, 27, 27, 28, 28, 29, 29, 30, 30, 31, 31, 31-Heptadecafluoro-3, 6, 9, 12, 15, 18, 21-heptaohentriacontylpalmitate	67549-47-7
	3-{[gamma-omega-Perfluoroalkyl (C=4-10)]sulfanyl} derivatives of propionamide	68187-42-8
	gamma-omega-Perfluoroalkyl (C=4-20) iodide	68188-12-5
	Bis[perfluoroalkyl (C=6-12)]derivatives of phosphinic acid	68412-69-1
	Telomers of gamma-omega-perfluoro-C8-20-thiols with acrylamide	70969-47-0
	Compound of 4, 4-bis[(gamma-omega-perfluoro-C8-20-alkyl)thio]pentanoic acid and 2, 2'-iminodiethanol	71608-61-2
	(2-{2-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl)sulfanyl]ethoxy}ethyl)(trimethyl)ammonium iodide	71625-52-0
	{3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl)sulfanyl]-2-hydroxypropyl}(trimethyl)ammonium chloride	71940-07-3

表1: 禁止物质

以下物质被确定为禁止物质, 禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	Polymer of 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl acrylate	74049-08-4
	Chloro(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) (dimethyl) silane	74612-30-9
	Telomer of acrylamide / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecane-1-thiol	76830-13-2
	1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8-Heptadecafluorodecane	77117-48-7
	Trichloro(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) silane	78560-44-8
	N-[3-(Dimethylazino)propyl]-3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecane-1-	80475-33-8
	(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) (trimethoxy) silane	83048-65-1
	Heptadecafluoro-1-[(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctyl)oxy]nonene	84029-60-7
	gamma-omega-Perfluoroalkyl (C=8-14) acrylate	85631-54-5
	Perfluoroalkyl (C=8-16) acrylate	85681-64-7
	N-(3-Aminopropyl)-2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanamide	85938-56-3
	10, 10, 10, 10, 10, 20, 20, 21, 21, 22, 22, 23, 23, 24, 24, 25, 25, 25-Heptadecafluoro(pentamethyl)-3, 6, 9, 12, 15-pentaoxapentacosyl acetate	88243-09-8
	24, 24, 25, 25, 26, 26, 27, 27, 28, 28, 29, 29, 30, 30, 31, 31, 31-Heptadecafluoro(pentamethyl)-3, 6, 9, 12, 15, 18, 21-heptaohentriacontan-1-ol	88243-10-1
	21, 21, 22, 22, 23, 23, 24, 24, 25, 25, 26, 26, 27, 27, 28, 28, 28-Heptadecafluoro(pentamethyl)-3, 6, 9, 12, 15, 18-hexaoxaoctacosan-1-ol	88243-11-2
	2-[2-{2-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl)oxy] (methyl)ethoxy} (methyl)ethoxy]ethanol	88243-12-3
	2-{2-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl)oxy] (methyl)ethoxy} (methyl)ethanol	88243-13-4
	15, 15, 16, 16, 17, 17, 18, 18, 19, 19, 20, 20, 21, 21, 22, 22, 22-Heptadecafluoro(tetramethyl)-3, 6, 9, 12-tetraoxadocosan-1-ol	88243-14-5
	18, 18, 19, 19, 20, 20, 21, 21, 22, 22, 23, 23, 24, 24, 25, 25, 25-Heptadecafluoro(pentamethyl)-3, 6, 9, 12, 15-pentaoxapentacosan-1-ol	88243-15-6
	21, 21, 22, 22, 23, 23, 24, 24, 25, 25, 26, 26, 27, 27, 28, 28, 28-Heptadecafluoro(hexamethyl)-3, 6, 9, 12, 15, 18-hexaoxaoctacosan-1-ol	88243-16-7
	27, 27, 28, 28, 29, 29, 30, 30, 31, 31, 32, 32, 33, 33, 34, 34, 34-Heptadecafluoro(octamethyl)-3, 6, 9, 12, 15, 18, 21, 24-octaoxatetratriacontan-1-ol	88243-17-8
	21, 21, 22, 22, 23, 23, 24, 24, 25, 25, 26, 26, 27, 27, 28, 28, 28-Heptadecafluoro-3, 6, 9, 12, 15, 18-hexaoxaoctacosan-1-ol	88247-39-6
	27, 27, 28, 28, 29, 29, 30, 30, 31, 31, 32, 32, 33, 33, 34, 34, 34-Heptadecafluoro-3, 6, 9, 12, 15, 18, 21, 24-octaoxatetratriacontan-1-ol	88247-40-9
	15, 15, 16, 16, 17, 17, 18, 18, 19, 19, 20, 20, 21, 21, 22, 22, 22-Heptadecafluoro(dimethyl)-3, 6, 9, 12-tetraoxadocosan-1-ol	88271-22-1
	Sodium 3-(N-ethyl-2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanamido)propane-1-sulfonate	89685-61-0
	2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-Pentadecafluoro-N-(14-hydroxy-3, 6, 9, 12-tetraoxatetradecyl)octanamide	89932-71-8
	[Dimethyl (3-pentadecafluorooctanamidopropyl) ammonio]acetate	90179-39-8
	N, N-Bis(hydroxyethyl)-alpha-omega-perfluoroamide (C=7-19)	90622-99-4
	Trimethyl [5-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanamido)pentyl] ammonium iodide	91707-61-8
	Aluminium salt of bis[perfluoroalkyl (C=6-12)] derivatives of phosphinic acid	93062-53-4
	N-{3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl) sulfanyl]-2-hydroxypropyl}-N-methylglycine	93128-66-6

表1: 禁止物质

以下物质被确定为禁止物质, 禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	alpha-Hydro-omega-[2-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanamido)ethoxy]poly(oxyethylene)	93480-00-3
	Polymer of 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl methacrylate /methyl methacrylate	93705-98-7
	Ammonium bis(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) phosphate	93776-20-6
	Diammonium 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecan-1-yl phosphate	93857-44-4
	Monosodium salt of gamma-omega-perfluoroalkyl(C=6-9) [2-(sulfosulfanyl)ethyl]carbamate	95370-51-7
	Compound of 2-aminoethanol and (3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl trihydrogen diphosphate) (3:1)	98005-84-6
	Compound of (3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl trihydrogendiphosphate) and 2, 2', 2''-nitrilotriethanol (1:3)	98005-85-7
	2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-Pentadecafluoro-N-[3-(trimethoxysilyl)propyl]octanamide	98046-76-5
	Dipotassium 3, 3'-(6-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) sulfonamido]hexyl)imino)dipropionate	98900-53-9
	Sodium 4-({2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluoro-N-[3-(methylamino)propyl]octanamido)methyl}benzenesulfonate	98900-75-5
	Sodium 3-[N-(3-aminopropyl)-2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanamido]-2-hydroxypropane-1-sulfonate	98900-76-6
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl stearate	99955-83-6
	Ethyl {2-[(3-[(3-[(3-[(3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl)oxy]carbonyl)amino)(methylphenyl)]ureido)(methylphenyl)]ureido)(methylphenyl)]carbamoyl)oxy]ethyl}(dimethyl)ammonium ethyl sulfate	100155-23-5
	Triethoxy(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl)silane	101947-16-4
	1-(2-Hydroxyethyl)-1-methyl-4-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanoyl)piperazin-1-ium chloride	103555-98-2
	2-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl)oxy]methyl]oxirane	114482-33-6
	Polymer of 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-henicosafuorododecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl acrylate / hexadecyl acrylate / N-(hydroxymethyl)acrylamide / octadecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafuorotetradecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-tridecafluorooctyl acrylate	115592-83-1
	Polymer of 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-henicosafuorododecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl acrylate / alpha-methacryloyl-omega-(methacryloyloxy)poly(oxyethylene) / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16-nonacosafuorohexadecyl acrylate / octadecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafuorotetradecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 17, 17, 18, 18, 18-tritriacontafuorooctadecyl acrylate	116984-14-6
	Polymer of 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-henicosafuorododecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl acrylate / alpha-methacryloyl-omega-(methacryloyloxy)poly(oxyethylene) / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16-nonacosafuorohexadecyl acrylate / octadecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafuorotetradecyl acrylate	119973-84-1

表1: 禁止物质

以下物质被确定为禁止物质, 禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	Polymer of 3-chloro-2-hydroxypropyl methacrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-heneicosafuorododecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl acrylate / N-(hydroxymethyl)acrylamide / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 16-nonacosafuorohexadecyl acrylate / octadecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafuorotetradecyl acrylate	119973-85-2
	Block polymer of 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl acrylate / methyl methacrylate	121065-52-9
	3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl)oxy]propane-1, 2-diol	121500-31-0
	[3-(3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl)oxy]carbonyl)acrylamido)propyl](trimethyl)ammonium iodide	121912-26-3
	30, 30, 31, 31, 32, 32, 33, 33, 34, 34, 35, 35, 36, 36, 37, 37, 37-Heptadecafluoro-2, 5, 8, 11, 14, 17, 20, 23-octaosa-27-	121912-28-5
	Polymer of alkyl(C=10-16) methacrylate / 2-hydroxyethyl methacrylate / methyl methacrylate / alpha-omega-perfluoroalkyl(C=8-14) acrylate	125328-29-2
	Polymer of alkyl(C=10-16) methacrylate / 2-hydroxyethyl methacrylate / methyl methacrylate / gamma-omega-perfluoroalkyl(C=8-14) acrylate	129783-45-5
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecanal	135984-68-8
	Ammonium N-ethyl-N-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanoyl)glycinate	138473-79-7
	1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8-Heptadecafluoro-10-isocyanatodecane	142010-50-2
	Polymer of 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-henicosafuorododecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl acrylate / octadecyl methacrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafuorotetradecyl acrylate	142636-88-2
	Polymer of butyl acryloylcarbamate / dodecyl acrylate / gamma-omega-perfluoroalkyl(C=8-14) acrylate	144031-01-6
	[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl)(dimethyl)ammonio]acetate	145441-32-3
	Ammonium salt of [2, 2-bis({[gamma-omega-perfluoroalkyl(C=4-10)]sulfanyl)methyl} derivatives of propane-1, 3-diol] phosphate	148240-85-1
	Ammonium salt of [2, 2-bis({[gamma-omega-perfluoroalkyl(C=6-12)]sulfanyl)methyl} derivatives of propane-1, 3-diol] phosphate	148240-87-3
	Ammonium salt of [2, 2-bis({[gamma-omega-perfluoroalkyl(C=10-20)]sulfanyl)methyl} derivatives of propane-1, 3-diol] phosphate	148240-89-5
	Tris(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl)phosphate	149790-22-7
	{Dimethoxy[3-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanamido)propyl)silyl]-omega-({dimethoxy[3-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanamido)propyl)silyl]oxy)poly(oxyethylene)}	154380-30-0
	1, 3-Bis[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl)sulfanyl]propan-2-ol	160819-47-6
	1-[(2-Decyltetradecyl)oxy]-3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl)sulfanyl]propan-2-ol	160819-49-8
	1-[(2-Dodecylhexadecyl)oxy]-3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl)sulfanyl]propan-2-ol	160819-50-1
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl oleate	167289-73-8
	Trimethyl[2-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctanamido)ethyl]ammonium chloride	178766-44-4

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	Mono(2-hydroxy-3-[[gamma-omega-perfluoroalkyl(C=8-20)]sulfanyl]propyl) ether of polymer of 2-methyloxirane / oxirane	183146-60-3
	Pentadecafluorooctanoyl bromide	222037-87-8
	(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl) (triisopropoxy) silane	246234-80-0
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl ester of(monopolyisobutylene derivatives of succinic acid)	253683-00-0
	Reaction products of 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecan-1-ol and [(trimethylsilyl)oxy]-modified	254889-67-3
	Bis(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) 3-([[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl)oxy]carbonyl)methyl)-3-hydroxypentanedioate	302911-86-0
	1-[2-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-Pentadecafluorooctanamido)ethyl]pyridin-1-ium bromide	331755-02-3
	Potassium 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecane-1-sulfonate	438237-73-1
	{3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl) sulfonamido]propyl} (trimethyl) ammonium 4-methylbenzenesulfonate	438237-77-5
	Lithium [(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) sulfanyl]acetate	441765-12-4
	Lithium 2-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) sulfanyl]ethanesulfonate	441765-14-6
	Lithium N-(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl)sulfonyl)-N-propylglycinate	441765-18-0
	Disodium 3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) sulfonyl] (propyl) amino) propyl phosphate	441765-20-4
	Lithium 3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) sulfanyl]propanoate	481050-04-8
	(Heptadecafluorooctyl) (tridecafluorohexyl)phosphinic acid	610800-34-5
	(3-{2-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl) sulfanyl]acetamido}propyl) (trimethyl) ammonium	704870-51-9
	{3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl) sulfanyl]-2-hydroxypropyl} (trimethyl) ammonium	727351-53-3
	2-{3-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl) sulfanyl]propanamido}-2-methylpropane-1-sulfonic acid	755698-73-8
	Polymer of 3-chloro-2-hydroxypropyl methacrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-henicosafuorododecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl acrylate / N-(hydroxymethyl)acrylamide / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16-nonacosafuorohexadecyl acrylate / octadecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafuorotetradecyl acrylate / 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-tridecafluorooctyl acrylate	1094598-90-9
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12-Heptadecafluorodecyl 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl hydrogen phosphate	1158182-60-5
	Tetrakis{2-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) sulfanyl]ethyl} silane	1189587-64-1
	N-[3-(Dimethylamino)propyl]-2-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) sulfanyl]succinamic acid	1383438-89-8
	N-[3-(Dimethylamino)propyl]-2-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) sulfanyl]acetamide	1513863-91-6
	[(3-{2-[(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-Heptadecafluorodecyl) sulfanyl]acetamido}propyl) (dimethyl) ammonio] acetate	1513863-96-1

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	2-{3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecyl)sulfinyl]propanamido}-2-methylpropane-1-sulfonic acid	1513864-12-4
	3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecyl)sulfinyl]-2-hydroxypropyl(trimethyl)ammonium	1513864-19-1
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecyl 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl hydrogen phosphate	1578186-42-1
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecyl bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) phosphate	1578186-53-4
	Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl phosphate	1578186-56-7
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-Henicosafuorododecyl 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl phosphate	1578186-64-7
	(Carboxymethyl)(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)(dimethyl)ammonium	2089109-26-0
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluoro-N,N-dimethyldecan-1-amine N-oxide	
36	全氟(己烷-1-磺酸)(又称PFHxS)或全氟(烷磺酸)(结构为分支,限于碳数为6的。)或这些盐	
	示例物质	CAS No.
	Tridecafluorohexane-1-sulfonic acid	355-46-4
	Potassium 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate	3871-99-6
	Neodymium tris(tridecafluorohexane-1-sulfonate)	41184-65-0
	Yttrium tris(tridecafluorohexane-1-sulfonate)	41242-12-0
	Lithium 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate	55120-77-9
	Ammonium tridecafluorohexane-1-sulfonate	68259-08-5
	Potassium salt of perfluoroalkane(C=6-12)sulfonic acid	68391-09-3
	Zinc bis(tridecafluorohexane-1-sulfonate)	70136-72-0
	Compound of tridecafluorohexane-1-sulfonic acid and 2,2'-iminodiethanol (1:1)	70225-16-0
	Compound of tridecafluorohexane-1-sulfonic acid and triethylamine (1:1)	72033-41-1
	Sodium 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate	82382-12-5
	Cesium tridecafluorohexane-1-sulfonate	92011-17-1
	Sulfonic acids, C6-12-alkane, perfluoro	93572-72-6
	Tetrabutylammonium tridecafluorohexane-1-sulfonate	108427-54-9
	Tetraethylammonium tridecafluorohexane-1-sulfonate	108427-55-0
	Triphenylsulfonium tridecafluorohexane-1-sulfonate	144116-10-9
	Diphenyliodonium tridecafluorohexane-1-sulfonate	153443-35-7
	Perfluoro(octane-1-sulfonic acid) (Synonym: PFOS) or its salts	160869-62-5
	Tetramethylammonium tridecafluorohexane-1-sulfonate	189274-31-5
	Compound of 2-methylpropan-2-amine and tridecafluorohexane-1-sulfonic acid (1:1)	202189-84-2
	Bis(4-tert-butylphenyl)iodonium tridecafluorohexane-1-sulfonate	213740-81-9
	Gallium tris(tridecafluorohexane-1-sulfonate)	341035-71-0
	Phenyl(di-p-tolyl)sulfonium tridecafluorohexane-1-sulfonate	341548-85-4
	Scandium tris(tridecafluorohexane-1-sulfonate)	350836-93-0
	S,S,S',S'-Tetraphenyl[sulfanediylbis(4,1-phenylene)]bis(sulfonium) bis(tridecafluorohexane-1-sulfonate)	421555-73-9
	Bis(4-tert-pentylphenyl)iodonium tridecafluoro-1-hexanesulfonate	421555-74-0
	Tris(4-tert-butylphenyl)sulfonium tridecafluorohexane-1-sulfonate	425670-70-8
	Bis(tert-butylphenyl)iodonium tridecafluorohexane-1-sulfonate	866621-50-3
	Diphenyl(p-tolyl)sulfonium tridecafluorohexane-1-sulfonate	910606-39-2
	[4-(Methacryloyloxy)phenyl](diphenyl)sulfonium tridecafluorohexane-1-sulfonate	911027-68-4

表1: 禁止物质

以下物质被确定为禁止物质, 禁止使产品中含有或者在产品制造过程中使用。

表1-1. 关于化学品的审查及制造等的限制的法律(化审法) 第一种特定化学物质

No.	物质名称	别名
	Polymer of 2-ethyl-2-adamantyl methacrylate / 3-hydroxy-1-adamantyl methacrylate / [4-(methacryloyloxy)phenyl] (diphenyl)sulfonium tridecafluorohexane-1-sulfonate / 2-oxoxolan-3-yl methacrylate	911027-69-5
	19-(4-tert-Butylphenyl)-4a, 6, 7, 9, 10, 12, 13, 19a-octahydrodibenzo[k, n][1, 4, 7, 10, 13]tetraoxathiacyclopentadecin-19-ium tridecafluorohexane-1-sulfonate	928049-42-7
	Benzyl(triphenyl)phosphonium tridecafluorohexane-1-sulfonate	1000597-52-3
	Compound of pyrrolidine and tridecafluorohexane-1-sulfonic acid (1:1)	1187817-57-7
	(4-{{4-(Diethylamino)phenyl}[4-(ethylamino)-1-naphthyl]methylidene}cyclohexa-2, 5-dien-1-ylidene)(diethyl)ammonium tridecafluorohexane-1-sulfonate	1310480-24-0
	(4-{{4-(Dimethylamino)phenyl}[4-(ethylamino)-1-naphthyl]methylidene}cyclohexa-2, 5-dien-1-ylidene)(dimethyl)ammonium tridecafluorohexane-1-sulfonate	1310480-27-3
	(4-{{4-Anilino-1-naphthyl}[4-(dimethylamino)phenyl]methylidene}cyclohexa-2, 5-dien-1-ylidene)(dimethyl)ammonium tridecafluorohexane-1-sulfonate	1310480-28-4
	1-(Carboxymethyl)-4-(2-{4-[4-(2, 2-diphenylvinyl)phenyl]-1, 2, 3, 3a, 4, 8b-hexahydrocyclopenta[b]indol-7-yl}vinyl)quinolin-1-ium tridecafluorohexane-1-sulfonate	1462414-59-0
	Tetrabutylphosphonium tridecafluorohexane-1-sulfonate	2310194-12-6
37	2-(2H-1, 2, 3-苯并三唑-2-基)-4, 6-二叔-戊基苯酚(同义词: UV-328)	
	示例物质	CAS No.
	2-(2H-Benzotriazol-2-yl)-4, 6-di-tert-pentylphenol	25973-55-1
38	1, 1, 1-三氯-2, 2-双(甲氧基苯基)乙烷(同义词: 甲氧氯)	
	示例物质	CAS No.
	1, 1, 1-Trichloro-2, 2-bis(4-methoxyphenyl)ethane	72-43-5
	1, 1, 1-Trichloro-2-(2-methoxyphenyl)-2-(4-methoxyphenyl)ethane	30667-99-3
	1, 1, 1-Trichloro-2-(3-methoxyphenyl)-2-(4-methoxyphenyl)ethane	59424-81-6
	1, 1, 1-Trichloro-2, 2-bis(2-methoxyphenyl)ethane	76733-77-2
	(R)-1, 1, 1-Trichloro-2-(2-methoxyphenyl)-2-(4-methoxyphenyl)ethane	255065-25-9
	(S)-1, 1, 1-Trichloro-2-(2-methoxyphenyl)-2-(4-methoxyphenyl)ethane	255065-26-0
	1, 1, 1-Trichloro-2, 2-bis(3-methoxyphenyl)ethane	1348358-72-4
39	1, 2, 3, 4, 7, 8, 9, 10, 13, 13, 14, 14-十二氯-1, 4, 4a, 5, 6, 6a, 7, 10, 10a, 11, 12, 12a-十二氢-1, 4:7, 10-二甲二苯并[a, e][8]轮烯(同义词: 十氯烷加)	
	示例物质	CAS No.
	1, 6, 7, 8, 9, 14, 15, 16, 17, 17, 18, 18-Dodecachloropentacyclo[12. 2. 1. 1(6, 9). 0(2, 13). 0(5, 10)]octadeca-7, 15-diene	13560-89-9
	rel-(1R, 2R, 5S, 6S, 9R, 10R, 13S, 14S)-1, 6, 7, 8, 9, 14, 15, 16, 17, 17, 18, 18-Dodecachloropentacyclo[12. 2. 1. 1(6, 9). 0(2, 13). 0(5, 10)]octadeca-7, 15-diene	135821-03-3
	rel-(1R, 2R, 5R, 6R, 9S, 10S, 13S, 14S)-1, 6, 7, 8, 9, 14, 15, 16, 17, 17, 18, 18-Dodecachloropentacyclo[12. 2. 1. 1(6, 9). 0(2, 13). 0(5, 10)]octadeca-7, 15-diene	135821-74-8

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-2. 毒物及剧毒物取缔法 特殊毒物

No.	物质名称	参考CAS No.
1	八甲基焦磷酸酰胺	152-16-9
2	四烷基铅	
	示例物质	
	Lead, tetramethyl-	75-74-1
	Tetraethyllead	78-00-2
	Ethyltrimethylplumbane	1762-26-1
	Diethyldimethylplumbane	1762-27-2
	Triethylmethylplumbane	1762-28-3
3	二乙基对硝基苯基硫代磷酸酯	56-38-2
4	0,0-二甲基-0-[2-(乙硫基)乙基]硫代磷酸酯	8022-00-2
5	0,0-二甲基-0-[2-氯-2-(二乙基氨基甲酰)-1-甲基]乙烯基磷酸酯	13171-21-6
6	0,0-二甲基-(对硝基苯基)硫代磷酸酯	298-00-0
7	四乙基焦磷酸酯	107-49-3
8	一氟乙酸	144-49-0
9	一氟乙酰胺	640-19-7
10	含有八甲基焦磷酸酰胺的制剂	
11	含有四烷基铅的制剂	
12	含有二乙基对硝基苯基硫代磷酸酯的制剂	
13	含有0,0-二甲基-0-[2-(乙硫基)乙基]硫代磷酸酯的制剂	
14	含有0,0-二甲基-0-[2-氯-2-(二乙基氨基甲酰)-1-甲基]乙烯基磷酸酯的制剂	
15	含有0,0-二甲基-(对硝基苯基)硫代磷酸酯的制剂	
16	含有四乙基焦磷酸酯的制剂	
17	一氟乙酸盐类及含有其的制剂	
	示例物质	
	Sodium fluoroacetate	62-74-8
18	含有一氟乙酰胺的制剂	
19	含有磷化铝及其促分解剂的制剂	
	示例物质	
	Aluminium phosphide	20859-73-8

表1-3. 劳动安全卫生法 禁止制造等的有害物等

No.	物质名称	参考 CAS No.
1	黄磷火柴	
	示例物质	
	Tetraphosphorus	12185-10-3
2	联苯胺及其盐	
	示例物质	
	Benzidine	92-87-5
3	4-氨基联苯及其盐	
	示例物质	
	Biphenyl-4-ylamine	92-67-1
4	石棉（无论有没有法律,含有率无论多少,都不许使用石棉。）	
	示例物质	
	Asbestos	1332-21-4
	Crocidolite	12001-28-4
	Chrysotile	12001-29-5
	Amosite	12172-73-5
	Actinolite	77536-66-4
	Anthophyllite	77536-67-5
	Tremolite	77536-68-6
5	4-硝基联苯及其盐	
	示例物质	
	4-nitrobiphenyl	92-93-3
6	二氯甲基醚	
7	β-萘胺及其盐	
	示例物质	
	2-Naphthylamine	91-59-8
8	含苯橡胶黏剂(含有苯的容量超过该胶浆溶剂(含稀释剂)5%的)	
	示例物质	
	Benzene	71-43-2

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-4. 臭氧层保护法 特定物质（议定书附录A组 I II、B组 I II III、C组 II III、E组 I）

No.	物质名称	别名
1	三氯一氟甲烷 参考 CAS No. 75-69-4	C F C - 1 1
2	二氯二氟甲烷 参考 CAS No. 75-71-8	C F C - 1 2
3	三氯三氟乙烷 参考 CAS No. 76-13-1, 354-58-5, 26523-64-8	C F C - 1 1 3
4	二氯四氟乙烷 参考 CAS No. 76-14-2, 374-07-2, 1320-37-2	C F C - 1 1 4
5	氯五氟乙烷 参考 CAS No. 76-15-3	C F C - 1 1 5
6	溴氯二氟甲烷 参考 CAS No. 353-59-3	哈龙-1211
7	三氟溴甲烷 参考 CAS No. 75-63-8	哈龙-1301
8	二溴四氟乙烷 参考 CAS No. 124-73-2, 25497-30-7, 27336-23-8	哈龙-2402
9	一氯三氟甲烷 参考 CAS No. 75-72-9	C F C - 1 3
10	五氯一氟乙烷 参考 CAS No. 354-56-3	C F C - 1 1 1
11	四氯二氟乙烷 参考 CAS No. 76-11-9, 76-12-0, 28605-74-5	C F C - 1 1 2
12	七氯一氟丙烷	C F C - 2 1 1
13	六氯二氟丙烷 参考 CAS No. 3182-26-1	C F C - 2 1 2
14	五氯三氟丙烷 参考 CAS No. 134237-31-3	C F C - 2 1 3
15	四氯四氟丙烷 参考 CAS No. 29255-31-0	C F C - 2 1 4
16	三氯五氟丙烷 参考 CAS No. 1599-41-3	C F C - 2 1 5
17	二氯六氟丙烷 参考 CAS No. 661-97-2, 42560-98-5	C F C - 2 1 6
18	一氯七氟丙烷 参考 CAS No. 76-18-6, 422-86-6	C F C - 2 1 7
19	四氯化碳 参考 CAS No. 56-23-5	Tetrachloromethane
20	1, 1, 1-三氯乙烷 参考 CAS No. 71-55-6	
21	二溴氟甲烷 参考 CAS No. 1868-53-7	
22	溴二氟甲烷 参考 CAS No. 1511-62-2	H B F C - 2 2 B 1
23	溴氟甲烷 参考 CAS No. 373-52-4	
24	四溴氟乙烷	
25	三溴二氟乙烷	
26	二溴三氟乙烷	
27	溴四氟乙烷 参考 CAS No. 124-72-1	
28	三溴氟乙烷	
29	二溴二氟乙烷	
30	溴三氟乙烷 参考 CAS No. 421-06-7	
31	二溴氟乙烷 参考 CAS No. 358-97-4	
32	溴二氟乙烷 参考 CAS No. 359-07-9	
33	溴氟乙烷 参考 CAS No. 762-49-2	

表1：禁止物质
 以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-4. 臭氧层保护法 特定物质（议定书附录A组 I II、B组 I IIⅢ、C组 IIⅢ、E组 I）

No.	物质名称	别名
34	六溴氟丙烷	
35	五溴二氟丙烷	
36	四溴三氟丙烷	
37	三溴四氟丙烷	
38	二溴五氟丙烷	
39	溴六氟丙烷	
	参考 CAS No. 2252-78-0	
40	五溴氟丙烷	
41	四溴二氟丙烷	
42	三溴三氟丙烷	
43	二溴四氟丙烷	
44	溴五氟丙烷	
45	四溴氟丙烷	
46	三溴二氟丙烷	
47	二溴三氟丙烷	
48	溴四氟丙烷	
49	三溴氟丙烷	
50	二溴二氟丙烷	
51	溴三氟丙烷	
52	二溴氟丙烷	
53	溴二氟丙烷	
54	溴氟丙烷	
55	溴氯甲烷	
	参考 CAS No. 74-97-5	
56	甲基溴	Bromomethane
	参考 CAS No. 74-83-9	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
1	Tetrabromodiphenyl ether		四溴二苯醚
	示例物质		
	1,2-dibromo-4-(2,6-dibromophenoxy)benzene	189084-62-6	
	1,3,5-tribromo-2-(4-bromophenoxy)benzene	189084-63-7	
	Diphenyl ether, tetrabromo derivative	40088-47-9	
	1,2-dibromo-4-(3,4-dibromophenoxy)benzene	93703-48-1	
	1,2-dibromo-4-(2,4-dibromophenoxy)benzene	189084-61-5	
2	Pentabromodiphenyl ether		五溴二苯醚
	示例物质		
	Diphenyl ether, pentabromo derivative	32534-81-9	
	1,3,5-tribromo-2-(3,4-dibromophenoxy)benzene	189084-66-0	
	1,2,3-tribromo-4-(2,4-dibromophenoxy)benzene	182346-21-0	
3	Hexabromodiphenyl ether		六溴联苯醚
	示例物质		
	Diphenyl ether, hexabromo derivative	36483-60-0	
	1,2,3-tribromo-4-(2,4,5-tribromophenoxy)benzene	182677-30-1	
4	Heptabromodiphenyl ether		七溴二苯醚
	示例物质		
	Diphenyl ether, heptabromo derivative	68928-80-3	
5	Bis(pentabromophenyl) ether (decabromodiphenyl ether; decaBDE)	1163-19-5	十溴二苯醚
6	Perfluorooctane sulfonic acid and its derivatives (PFOS)		全氟辛烷磺酸（PFOS）及其盐
	示例物质		
	Heptadecafluorooctane-1-sulphonic acid	1763-23-1	
	Potassium heptadecafluorooctane-1-sulphonate	2795-39-3	
	Lithium heptadecafluorooctanesulphonate	29457-72-5	
	Ammonium heptadecafluorooctanesulphonate	29081-56-9	
	Heptadecafluorooctanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	70225-14-8	
	Tetraethylammonium heptadecafluorooctanesulphonate	56773-42-3	
	1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonic acid (1:1;1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonic acid (1:1)	251099-16-8	
	N-ethylheptadecafluorooctanesulphonamide	4151-50-2	
	Heptadecafluoro-N-methyloctanesulphonamide	31506-32-8	
	N-ethylheptadecafluoro-N-(2-hydroxyethyl)octanesulphonamide	1691-99-2	
	Heptadecafluoro-N-(2-hydroxyethyl)-N-methyloctanesulphonamide	24448-09-7	
	Heptadecafluorooctanesulphonyl fluoride	307-35-7	
7	DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)	50-29-3	1,1,1-三氯-2,2-双(4-氯苯)乙烷(DDT)
8	Chlordane	57-74-9	氯丹
9	Hexachlorocyclohexanes, including lindane		六氯环己烷(包括林登)
	示例物质		
	(1 α ,2 α ,3 β ,4 α ,5 β ,6 β)-1,2,3,4,5,6-hexachlorocyclohexane	319-84-6	
	BHC or HCH	608-73-1	
	γ -HCH or γ -BHC	58-89-9	
	(1 α ,2 β ,3 α ,4 β ,5 α ,6 β)-1,2,3,4,5,6-hexachlorocyclohexane	319-85-7	
10	Dieldrin	60-57-1	狄氏剂
11	Endrin	72-20-8	内皮素
12	Heptachlor	76-44-8	赫普塔克罗
13	Endosulfan		端硫烷
	示例物质		
	alpha-Endosulfan	959-98-8	
	Endosulfan	115-29-7	
	beta-Endosulfan	33213-65-9	
14	Hexachlorobenzene	118-74-1	六氯苯

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
15	Chlordecone	143-50-0	氯代酮
16	Aldrin	309-00-2	醛糖
17	Pentachlorobenzene	608-93-5	五氯苯
18	Polychlorinated Biphenyls (PCB)		多氯联苯 (PCB)
	示例物质		
	1,1'-Biphenyl, chloro derivs.	1336-36-3	
	2,4-PCB	34883-43-7	
	Decachloro-1,1'-biphenyl	2051-24-3	
	2-chlorobiphenyl	2051-60-7	
	3-chlorobiphenyl	2051-61-8	
	4-chlorobiphenyl	2051-62-9	
	2,2',4,4'-tetrachlorobiphenyl	2437-79-8	
	2,4,4'-trichlorobiphenyl	7012-37-5	
	3,3'-dichlorobiphenyl	2050-67-1	
	2,4',5-trichlorobiphenyl	16606-02-3	
	2,3',4,4',5-pentachlorobiphenyl	31508-00-6	
	2,2',3,4,4',5'-hexachlorobiphenyl	35065-28-2	
	2,2',3,4,4',5,5'-heptachlorobiphenyl	35065-29-3	
	2,2',4,5,5'-pentachlorobiphenyl	37680-73-2	
	2,4,6-Trichlorobiphenyl	35693-92-6	
	2,2',5,5'-tetrachlorobiphenyl	35693-99-3	
	2,4,5-trichloro-1,1'-biphenyl	15862-07-4	
	3,3',4,4'-tetrachloro-1,1'-biphenyl	32598-13-3	
	2,2',3,3',4,4',5-heptachlorobiphenyl	35065-30-6	
	Pentachloro[1,1'-biphenyl]	25429-29-2	
	Dichlorobiphenyl	25512-42-9	
	Chloro-1,1'-biphenyl	27323-18-8	
	Heptachloro-1,1'-biphenyl	28655-71-2	
	Tetrachloro(tetrachlorophenyl)benzene	31472-83-0	
	Nonachloro-1,1'-biphenyl	53742-07-7	
	2,2',4,4',6,6'-hexachlorobiphenyl	33979-03-2	
	4,4'-dichlorobiphenyl	2050-68-2	
19	Mirex	2385-85-5	玛利亚
20	Toxaphene	8001-35-2	毒杀芬
21	Hexabromobiphenyl	36355-01-8	六氯联苯
22	Hexabromocyclododecane		六溴环十二烷
	示例物质		
	Hexabromo-1,1'-biphenyl	36355-01-8	
	1,2,5,6,9,10-hexabromocyclododecane	3194-55-6	
	Hexabromocyclododecane	25637-99-4	
	alpha-hexabromocyclododecane	134237-50-6	
	beta-hexabromocyclododecane	134237-51-7	
	gamma-hexabromocyclododecane	134237-52-8	
23	Hexachlorobutadiene	87-68-3	六氯丁二烯
24	Pentachlorophenol and its salts and esters		五氯苯酚、其盐及酯类
	示例物质		
	Acetic acid, 2,2-dichloro-, 2,3,4,5,6-pentachlorophenyl ester	19745-69-8	
	Carbonic acid, 1,1-dimethylethyl pentachlorophenyl ester	18942-25-1	
	Acetic acid, 2,2,2-trichloro-, 2,3,4,5,6-pentachlorophenyl ester	2879-60-9	
	Zinc bis(pentachlorophenolate)	2917-32-0	
	Pentachlorophenyl laurate	3772-94-9	
	Potassium pentachlorophenolate	7778-73-6	
	N2-benzyl pentachlorophenyl N2-carboxy-L-(2-aminoglutaramate)	13673-51-3	
	Perchlorophenyl N-(benzyloxycarbonyl)-L-isoleucinate	13673-53-5	
	Perchlorophenyl S-benzyl-N-(benzyloxycarbonyl)-L-cysteinate	13673-54-6	
	Pentachlorophenol esters	-	
	Pentachlorophenol salts	-	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Pentachlorophenol	87-86-5	
	Sodium pentachlorophenolate	131-52-2	
	Pentachlorophenyl N-[[(4-methoxyphenyl)methoxy]carbonyl]-L-serinate	23234-97-1	
	Perchlorophenyl 5-oxo-L-prolinate	28990-85-4	
25	Polychlorinated naphthalenes		聚氯萘
	示例物质		
	1-chloronaphthalene	90-13-1	
	2-chloronaphthalene	91-58-7	
	1,5-dichloronaphthalene	1825-30-5	
	1,4-dichloronaphthalene	1825-31-6	
	1,2-dichloronaphthalene	2050-69-3	
	1,6-dichloronaphthalene	2050-72-8	
	1,7-dichloronaphthalene	2050-73-9	
	1,8-dichloronaphthalene	2050-74-0	
	2,3-dichloronaphthalene	2050-75-1	
	2,6-dichloronaphthalene	2065-70-5	
	1,3-dichloronaphthalene	2198-75-6	
	2,7-dichloronaphthalene	2198-77-8	
	Octachloronaphthalene	2234-13-1	
	Naphthalene, chloro derivs.	70776-03-3	
	1,2,3,4-tetrachloronaphthalene	20020-02-4	
	Naphthalene, 1,2,3,4,5-pentachloro-	67922-25-2	
26	Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	85535-84-8	短链氯化石蜡 (SCCP)
27	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds		全氟辛酸 (PFOA)
	示例物质		
	Butanoic acid, 3,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-2-(trifluoromethyl)-; Butanoic acid, 3,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-2-(trifluoromethyl)-	1882109-59-2	
	Hexanoic acid, 2,2,4,4,5,5,6,6,6-nonafluoro-3,3-bis(trifluoromethyl)-; Hexanoic acid, 2,2,4,4,5,5,6,6,6-nonafluoro-3,3-bis(trifluoromethyl)-	1812247-20-3	
	Hexanoic acid, 2,3,4,4,5,5,6,6,6-nonafluoro-2,3-bis(trifluoromethyl)-; Hexanoic acid, 2,3,4,4,5,5,6,6,6-nonafluoro-2,3-bis(trifluoromethyl)-	1812247-18-9	
	Hexanoic acid, 2,2,3,3,4,4,5,6,6-nonafluoro-4,5-bis(trifluoromethyl)-; Hexanoic acid, 2,2,3,3,4,4,5,6,6-nonafluoro-4,5-bis(trifluoromethyl)-	1144512-36-6	
	Hexanoic acid, 2,2,3,3,4,4,6,6,6-nonafluoro-5,5-bis(trifluoromethyl)-; Hexanoic acid, 2,2,3,3,4,4,6,6,6-nonafluoro-5,5-bis(trifluoromethyl)-	1144512-34-4	
	Heptanoic acid, 2,2,3,3,4,4,5,6,6,7,7,7-dodecafluoro-5-(trifluoromethyl)-; Heptanoic acid, 2,2,3,3,4,4,5,6,6,7,7,7-dodecafluoro-5-(trifluoromethyl)-	909009-42-3	
	Heptanoic acid, 2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-2-(trifluoromethyl)-; Heptanoic acid, 2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-2-(trifluoromethyl)-	207678-51-1	
	Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-; Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-	35605-76-6	
	Ethanaminium, N,N,N-triethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1); Ethanaminium, N,N,N-triethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)	98241-25-9	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Decanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluoro-;Decanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluoro-	27854-31-5	
	2-Decenoic acid, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hexafluoro-;2-Decenoic acid, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hexafluoro-	70887-84-2	
	2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and γ - ω -perfluoro-C8-14-alkyl acrylate;2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and γ - ω -perfluoro-C8-14-alkyl acrylate	129783-45-5	
	2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and γ - ω -perfluoro-C8-14-alkyl acrylate;2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and γ - ω -perfluoro-C8-14-alkyl acrylate	144031-01-6	
	2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl ester, homopolymer;2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl ester, homopolymer;2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl ester, homopolymer;2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl ester, homopolymer	74049-08-4	
	2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-pentacosafluorotetradecyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate;2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-pentacosafluorotetradecyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate	65104-45-2	
	2-Propenoic acid, 2-methyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester, polymer with 2-propenoic acid;2-Propenoic acid, 2-methyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester, polymer with 2-propenoic acid	53515-73-4	
	Hexanoic acid, 2,2,3,4,5,5,6,6,6-nonafluoro-3,4-bis(trifluoromethyl)-;Hexanoic acid, 2,2,3,4,5,5,6,6,6-nonafluoro-3,4-bis(trifluoromethyl)-	1882109-81-0	
	Hexanoic acid, 2,2,3,3,4,5,5,6,6,6-decafluoro-4-(1,1,2,2,2-pentafluoroethyl)-;Hexanoic acid, 2,2,3,3,4,5,5,6,6,6-decafluoro-4-(1,1,2,2,2-pentafluoroethyl)-	1882109-79-6	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Hexanoic acid, 2,2,3,4,4,5,5,6,6,6-decafluoro-3-(1,1,2,2,2-pentafluoroethyl)-;Hexanoic acid, 2,2,3,4,4,5,5,6,6,6-decafluoro-3-(1,1,2,2,2-pentafluoroethyl)-	1882109-78-5	
	Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-(1,1,2,2,3,3,3-heptafluoropropyl)-;Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-(1,1,2,2,3,3,3-heptafluoropropyl)-	1882109-77-4	
	Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-;Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-	1882109-76-3	
	Pentanoic acid, 2,2,3,5,5,5-hexafluoro-3,4,4-tris(trifluoromethyl)-;Pentanoic acid, 2,2,3,5,5,5-hexafluoro-3,4,4-tris(trifluoromethyl)-	1882109-75-2	
	Pentanoic acid, 2,2,4,5,5,5-hexafluoro-3,3,4-tris(trifluoromethyl)-;Pentanoic acid, 2,2,4,5,5,5-hexafluoro-3,3,4-tris(trifluoromethyl)-	1882109-74-1	
	Pentanoic acid, 2,3,3,5,5,5-hexafluoro-2,4,4-tris(trifluoromethyl)-;Pentanoic acid, 2,3,3,5,5,5-hexafluoro-2,4,4-tris(trifluoromethyl)-	1882109-73-0	
	Pentanoic acid, 2,3,4,5,5,5-hexafluoro-2,3,4-tris(trifluoromethyl)-;Pentanoic acid, 2,3,4,5,5,5-hexafluoro-2,3,4-tris(trifluoromethyl)-	1882109-72-9	
	Pentanoic acid, 2,4,4,5,5,5-hexafluoro-2,3,3-tris(trifluoromethyl)-;Pentanoic acid, 2,4,4,5,5,5-hexafluoro-2,3,3-tris(trifluoromethyl)-	1882109-71-8	
	Pentanoic acid, 3,3,4,5,5,5-hexafluoro-2,2,4-tris(trifluoromethyl)-;Pentanoic acid, 3,3,4,5,5,5-hexafluoro-2,2,4-tris(trifluoromethyl)-	1882109-70-7	
	Pentanoic acid, 2,2,3,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)-;Pentanoic acid, 2,2,3,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)-	1882109-68-3	
	Pentanoic acid, 2,2,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-3-(trifluoromethyl)-;Pentanoic acid, 2,2,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-3-(trifluoromethyl)-	1882109-67-2	
	Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-2-(trifluoromethyl)-;Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-2-(trifluoromethyl)-	1882109-66-1	
	Pentanoic acid, 2,3,3,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)-;Pentanoic acid, 2,3,3,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)-	1882109-65-0	
	Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-3-(trifluoromethyl)-;Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-3-(trifluoromethyl)-	1882109-64-9	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Pentanoic acid, 3,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-2-(trifluoromethyl)-;Pentanoic acid, 3,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-2-(trifluoromethyl)-	1882109-63-8	
	Pentanoic acid, 3,4,4,5,5,5-hexafluoro-2,2,3-(trifluoromethyl)-;Pentanoic acid, 3,4,4,5,5,5-hexafluoro-2,2,3-(trifluoromethyl)-	1882109-69-4	
	Butanoic acid, 4,4,4-trifluoro-2,2,3,3-tetrakis(trifluoromethyl)-;Butanoic acid, 4,4,4-trifluoro-2,2,3,3-tetrakis(trifluoromethyl)-	1882109-62-7	
	Butanoic acid, 2,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-3-(trifluoromethyl)-;Butanoic acid, 2,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-3-(trifluoromethyl)-	1882109-61-6	
	Butanoic acid, 2,3,3,4,4,4-hexafluoro-2-[2,2,2-trifluoro-1,1-bis(trifluoromethyl)ethyl]-;Butanoic acid, 2,3,3,4,4,4-hexafluoro-2-[2,2,2-trifluoro-1,1-bis(trifluoromethyl)ethyl]-	1882109-60-5	
	Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, ammonium salt (1:1);Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, ammonium salt (1:1)	13058-06-5	
	Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, sodium salt (1:1);Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, sodium salt (1:1)	1195164-59-0	
	Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, ammonium salt (1:1);Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, ammonium salt (1:1)	19742-57-5	
	Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, iron salt (1:x);Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, iron salt (1:x)	61436-04-2	
	Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, potassium salt (1:1);Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, potassium salt (1:1)	29457-73-6	
	Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, sodium salt (1:1);Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, sodium salt (1:1)	18017-22-6	
	Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, chromium salt (1:x);Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, chromium salt (1:x)	15739-82-9	
	Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, aluminum salt (3:1);Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, aluminum salt (3:1)	15715-47-6	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Bis(perfluorooctyl)phosphinic acid; Bis(perfluorooctyl)phosphinic acid	40143-79-1	
	Perfluorohexylperfluorooctyl phosphinate; Perfluorohexylperfluorooctyl phosphinate	610800-34-5	
	Undecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11-tricosafuoro-11-iodo-	307-50-6	
	Pentadecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15-hentriacontafuoro-15-iodo-	335-79-5	
	Tridecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13-heptacosafuoro-13-iodo-; Tridecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13-heptacosafuoro-13-iodo-	376-04-5	
	Alkyl iodides, C10-12, γ - ω -perfluoro; Alkyl iodides, C10-12, γ - ω -perfluoro	68390-33-0	
	2-Dodecenoic acid, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-eicosafuoro-; 2-Dodecenoic acid, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-eicosafuoro-	70887-94-4	
	Dodecanoic acid, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-heneicosafuoro-; Dodecanoic acid, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-heneicosafuoro-	53826-13-4	
	2-Propenoic acid, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-heneicosafuorododecyl ester, polymer with 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl 2-propenoate, hexadecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl 2-propenoate, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafuorotetradecyl 2-propenoate and 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-tridecafluorooctyl 2-propenoate	115592-83-1	
	2-Propenoic acid, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-heneicosafuorododecyl ester, polymer with 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl 2-propenoate, α -(2-methyl-1-oxo-2-propenyl)- ω -[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1, 2-ethanediyl), 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 16-nonacosafuorohexadecyl 2-propenoate, octadecyl 2-propenoate, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafuorotetradecyl 2-propenoate and 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 17, 17, 18, 18, 18-tritriacontafuorooctadecyl 2-propenoate	116984-14-6	
	2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and perfluoro-C8-14-alkyl acrylate	125328-29-2	
	1-Decanol, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluoro-, 1-(dihydrogen phosphate); 1-Decanol, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluoro-, 1-(dihydrogen phosphate)	57678-03-2	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Hexanoic acid, 2, 3, 3, 4, 4, 5, 6, 6-nonafluoro-2, 5-bis(trifluoromethyl)-;Hexanoic acid, 2, 3, 3, 4, 4, 5, 6, 6-nonafluoro-2, 5-bis(trifluoromethyl)-	1882109-80-9	
	1-Propanaminium, N, N, N-trimethyl-3-[(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluoro-1-oxooctyl) amino]-, chloride (1:1);1-Propanaminium, N, N, N-trimethyl-3-[(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluoro-1-oxooctyl) amino]-, chloride (1:1)	53517-98-9	
	1-Propanesulfonic acid, 3-[ethyl (2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluoro-1-oxooctyl) amino]-, sodium salt (1:1);1-Propanesulfonic acid, 3-[ethyl (2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluoro-1-oxooctyl) amino]-, sodium salt (1:1)	89685-61-0	
	Phosphine, tris[4-(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) phenyl]-;Phosphine, tris[4-(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) phenyl]-	325459-92-5	
	Palladium, dichlorobis[tris[4-(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) phenyl]phosphine-κ P]-;Palladium, dichlorobis[tris[4-(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl) phenyl]phosphine-κ P]-	326475-46-1	
	Butanoic acid, 3, 3, 4, 4, 4-pentafluoro-2, 2-bis(1, 1, 2, 2, 2-pentafluoroethyl)-;Butanoic acid, 3, 3, 4, 4, 4-pentafluoro-2, 2-bis(1, 1, 2, 2, 2-pentafluoroethyl)-	1882109-58-1	
	Hexanoic acid, 2, 3, 3, 4, 5, 5, 6, 6, 6-nonafluoro-2, 4-bis(trifluoromethyl)-;Hexanoic acid, 2, 3, 3, 4, 4, 5, 5, 6, 6, 6-nonafluoro-2, 4-bis(trifluoromethyl)-	1812247-19-0	
	Hexanoic acid, 3, 3, 4, 4, 5, 5, 6, 6, 6-nonafluoro-2, 2-bis(trifluoromethyl)-;Hexanoic acid, 3, 3, 4, 4, 5, 5, 6, 6, 6-nonafluoro-2, 2-bis(trifluoromethyl)-	1812247-17-8	
	Hexanoic acid, 2, 2, 3, 3, 5, 5, 6, 6, 6-nonafluoro-4, 4-bis(trifluoromethyl)-;Hexanoic acid, 2, 2, 3, 3, 5, 5, 6, 6, 6-nonafluoro-4, 4-bis(trifluoromethyl)-	1192593-79-5	
	Hexanoic acid, 2, 2, 3, 4, 4, 5, 6, 6, 6-nonafluoro-3, 5-bis(trifluoromethyl)-;Hexanoic acid, 2, 2, 3, 4, 4, 5, 6, 6, 6-nonafluoro-3, 5-bis(trifluoromethyl)-	1144512-35-5	
	Heptanoic acid, 2, 2, 3, 3, 4, 5, 5, 6, 6, 7, 7, 7-dodecafluoro-4-(trifluoromethyl)-;Heptanoic acid, 2, 2, 3, 3, 4, 5, 5, 6, 6, 7, 7, 7-dodecafluoro-4-(trifluoromethyl)-	1144512-18-4	
	Heptanoic acid, 2, 2, 3, 4, 4, 5, 5, 6, 6, 7, 7, 7-dodecafluoro-3-(trifluoromethyl)-;Heptanoic acid, 2, 2, 3, 4, 4, 5, 5, 6, 6, 7, 7, 7-dodecafluoro-3-(trifluoromethyl)-	705240-04-6	
	Isooctanoic acid, pentadecafluoro-;Isooctanoic acid, pentadecafluoro-	123116-17-6	
	Heptanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 7, 7, 7-dodecafluoro-6-(trifluoromethyl)-;Heptanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 7, 7, 7-dodecafluoro-6-(trifluoromethyl)-	15166-06-0	
	Octadecanoic acid, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl ester;Octadecanoic acid, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl ester	99955-83-6	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Pentanedioic acid, 3-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]-2-oxoethyl]-3-hydroxy-, 1,5-bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester;Pentanedioic acid, 3-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]-2-oxoethyl]-3-hydroxy-, 1,5-bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester	302911-86-0	
	1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C4-10-alkyl)thio]methyl] derivatives, phosphates, ammonium salts	148240-85-1	
	1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C6-12-alkyl)thio]methyl] derivatives, phosphates, ammonium salts	148240-87-3	
	1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C10-20-alkyl)thio]methyl] derivs., phosphates, ammonium salts;1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C10-20-alkyl)thio]methyl] derivs., phosphates, ammonium salts	148240-89-5	
	Oxirane, methyl-, polymer with oxirane, mono[2-hydroxy-3-[(γ-ω-perfluoro-C8-20-alkyl)thio]propyl] ethers	183146-60-3	
	Pentanoic acid, 4,4-bis[(γ-ω-perfluoro-C8-20-alkyl)thio]derivs., compds. with diethanolamine	71608-61-2	
	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iododecane	2043-53-0	
	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-henicosafuoro-12-iodododecane	2043-54-1	
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafuorododecyl methacrylate	2144-54-9	
	Potassium perfluorooctanoate	2395-00-8	
	Ethyl perfluorooctanoate	3108-24-5	
	1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-tetracosafuoro-12-iodo-2-(trifluoromethyl) dodecane	3248-61-1	
	Octacosafuoro-14-iodo-2-(trifluoromethyl) tetradecane	3248-63-3	
	Nonadecafluoro-9-iodononane	558-97-4	
	Icosafuoro-10-iodo-2-(trifluoromethyl) decane	677-93-0	
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecan-1-ol	678-39-7	
	Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate	678-41-1	
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafuorododecanol	865-86-1	
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuorohexadecyl methacrylate	4980-53-4	
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl methacrylate	6014-75-1	
	Ammonium pentadecafluorooctanoate	3825-26-1	
	N-ethylheptadecafluorooctanesulphonamide	4151-50-2	
	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,17-octacosafuoro-2-hydroxy-16-(trifluoromethyl)heptadecyl acrylate	16083-78-6	
	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl acrylate	16083-87-7	
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafuorododecyl acrylate	17741-60-5	
	Methyl perfluorooctanoate	376-27-2	
	Henicosafuoro-10-iododecane	423-62-1	
	Heptadecafluoro-1-iodooctane	507-63-1	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	1-bromohenicosafluorodecane	307-43-7	
	1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12-pentacosafuoro-12-iodododecane	307-60-8	
	Nonacosafuoro-1-iodotetradecane	307-63-1	
	Pentadecafluorooctyl fluoride	335-66-0	
	Pentadecafluorooctanoic acid	335-67-1	
	Silver(1+) perfluorooctanoate	335-93-3	
	Sodium pentadecafluorooctanoate	335-95-5	
	Bis[3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-henicafluorododecyl] hydrogen phosphate	1895-26-7	
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl methacrylate	1996-88-9	
	Triethoxy(3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecyl)silane	101947-16-4	
	Perfluorooctylethyltrichlorosilane;Perfluorooctylethyltrichlorosilane	78560-44-8	
	Perfluorooctylethyltrimethoxysilane;Perfluorooctylethyltrimethoxysilane	83048-65-1	
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafluorodecane-1-thiol	34143-74-3	
	Perfluorooctylethyltrimethylchlorosilane;Perfluorooctylethyltrimethylchlorosilane	74612-30-9	
	1-(carboxylatomethyl)-1-(2-hydroxyethyl)-4-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-nonadecafluoro-1-oxodecyl)piperazinium	71356-38-2	
	Carboxylic acids, C7-13, perfluoro, ammonium salts	72968-38-8	
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 12, 12, 12-icosafuoro-11-(trifluoromethyl)dodecyl methacrylate	74256-14-7	
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 14, 14-tetracosafuoro-13-(trifluoromethyl)tetradecyl methacrylate	74256-15-8	
	Heptadecafluoro-1-[(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluorooctyl)oxy]nonene	84029-60-7	
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-henicafluorododecyl dihydrogen phosphate	57678-05-4	
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 16-nonacosafuorohexadecanol	60699-51-6	
	4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 13, 13, 13-icosafuoro-2-hydroxy-12-(trifluoromethyl)tridecyl dihydrogen phosphate	63295-27-2	
	4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 15, 15, 15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl dihydrogen phosphate	63295-28-3	
	4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 17, 17, 17-octacosafuoro-2-hydroxy-16-(trifluoromethyl)heptadecyl dihydrogen phosphate	63295-29-4	
	1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14-nonacosafuoro-16-iodohexadecane	65510-55-6	
	1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9-nonadecafluoro-11-iodoundecane	65510-56-7	
	Chromium(3+) perfluorooctanoate	68141-02-6	
	Propanamide, 3-[(γ-ω-perfluoro-C4-10-alkyl)thio] derivs.	68187-42-8	
	Alkyl iodides, C4-20, γ-ω-perfluoro	68188-12-5	
	Fatty acids, C7-13, perfluoro	68333-92-6	
	Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs.	68412-69-1	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	N-(3-aminopropyl)-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanamide	85938-56-3	
	Carbamic acid, [2-(sulfothio)ethyl]-, C-(γ-ω-perfluoro-C6-9-alkyl) esters, monosodium salts	95370-51-7	
	Octanoic acid, pentadecafluoro-, branched	90480-55-0	
	Octanoic acid, pentadecafluoro-, branched, ammonium salt	90480-56-1	
	Alkyl iodides, C6-18, perfluoro	90622-71-2	
	Amides, C7-19, α-ω-perfluoro-N,N-bis(hydroxyethyl)	90622-99-4	
	Fatty acids, C7-19, perfluoro	91032-01-8	
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,16,16,16-octacosafuoro-15-(trifluoromethyl)hexadecyl acrylate	91615-22-4	
	Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs., aluminum salts	93062-53-4	
	1,1'-[oxybis[(1-methylethyleneoxy)]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoropentadecan-2-ol]	93776-00-2	
	(2-carboxylatoethyl) (dimethyl) [3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoro-2-hydroxypentadecyl)amino]propyl]ammonium	93776-12-6	
	(2-carboxylatoethyl) [3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13,13-henicosafuoro-2-hydroxytridecyl)amino]propyl]dimethylammonium	93776-13-7	
	(2-carboxylatoethyl) (dimethyl) [[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl]amino]propyl]mmonium	93776-15-9	
	Diammonium 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl phosphate	93857-44-4	
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dotriacontafuoro-17-(trifluoromethyl)octadecyl acrylate	94158-63-1	
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,16,16,16-octacosafuoro-15-(trifluoromethyl)hexadecyl methacrylate	94158-64-2	
	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dotriacontafuoro-17-(trifluoromethyl)octadecyl methacrylate	94158-65-3	
	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafuoro-2-hydroxytridecyl dihydrogen phosphate	94158-70-0	
	1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoropentadecan-2-ol	94159-79-2	
	1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafuorotridecan-2-ol	94159-80-5	
	1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-tetracosafuoro-14-(trifluoromethyl)pentadecan-2-ol	94159-82-7	
	1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafuoro-12-(trifluoromethyl)tridecan-1-ol	94159-83-8	
	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl phosphate	94200-45-0	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Diammonium 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 13- henicosafuoro-2-hydroxytridecyl phosphate	94200-46-1	
	Diammonium 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 1 4, 15, 15, 15-pentacosafuoro-2-hydroxypentadecyl phosphate	94200-47-2	
	Diammonium 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 1 4, 15, 15, 16, 16, 17, 17, 17-nonacosafuoro-2- hydroxyheptadecyl phosphate	94200-48-3	
	Diammonium 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 13, 13, 13- icosafuoro-2-hydroxy-12-(trifluoromethyl) tridecyl phosphate	94200-50-7	
	Diammonium 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 1 5, 15, 15-tetracosafuoro-2-hydroxy-14- (trifluoromethyl)pentadecyl phosphate	94200-51-8	
	Diammonium 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 1 4, 15, 15, 16, 17, 17, 17-octacosafuoro-2-hydroxy-16- (trifluoromethyl)heptadecyl phosphate	94200-52-9	
	2-Propenoic acid, γ - ω -perfluoro-C8-14-alkyl esters	85631-54-5	
	2-Propenoic acid, perfluoro-C8-16-alkyl esters	85681-64-7	
	Perfluorooctylethyldichloromethyl silane;Perfluorooctylethyldichloromethyl silane	3102-79-2	
	Thiols, C8-20, .gamma.-.omega.-perfluoro, telomers with acrylamide	70969-47-0	
	3, 4-bis[(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8- pentadecafluoro-1-oxooctyl)amino]benzenesulphonyl chloride	24216-05-5	
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 14, 14, 14-tetracosafuoro-13-(trifluoromethyl) tetradecyl acrylate	52956-82-8	
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10- heptadecafluorodecyl acrylate	27905-45-9	
	1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12-pentacosafuoro-14-iodotetradecane	30046-31-2	
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12- henicosafuorododecene	30389-25-4	
	Perfluorooctanoic anhydride	33496-48-9	
	2-carboxyethylbis(2-hydroxyethyl)-3- [(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8-pentadecafluoro-1- oxooctyl)amino]propylammonium hydroxide	39186-68-0	
	3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafuorotetradecanol	39239-77-5	
	N-[3-[bis(2-hydroxyethyl)amino]propyl]- 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8- pentadecafluorooctanamide	41358-63-8	
	4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 11- heptadecafluoroundecanoic acid	34598-33-9	
28	Dicofol	115-32-2	三氯杀螨醇
29	Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds		全氟己烷磺酸 (PFHxS)、其盐 类和 PFHxS 相关化合物
	示例物质		
	Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 6-tridecafluoro-1- hexanesulfonic acid (1:2)	421555-73-9	
	Potassium perfluorohexane-1-sulphonate	3871-99-6	
	Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 6-tridecafluoro-1- hexanesulfonate (1:1)	425670-70-8	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	189274-31-5	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1)	202189-84-2	
	Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	213740-81-9	
	Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	70225-16-0	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)	72033-41-1	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt	82382-12-5	
	Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI)	866621-50-3	
	Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	910606-39-2	
	Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	911027-68-4	
	Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.1 ^{3,7}]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.1 ^{3,7}]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate	911027-69-5	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1)	92011-17-1	
	Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecin ium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	928049-42-7	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)	341035-71-0	
	Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	341548-85-4	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)	350836-93-0	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)	41184-65-0	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)	41242-12-0	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)	55120-77-9	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt	70136-72-0	
	Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1000597-52-3	
	N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate	108427-54-9	
	N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate	108427-55-0	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1)	1187817-57-7	
	Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-24-0	
	Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-27-3	
	Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-28-4	
	Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-) (1:1)	1329995-45-0	
	Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-) (1:1)	1329995-69-8	
	Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	144116-10-9	
	Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1462414-59-0	
	Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	153443-35-7	
	Ammonium perfluorohexane-1-sulphonate	68259-08-5	
	Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic	421555-74-0	
	Perfluorohexane-1-sulphonic acid	355-46-4	
30	Dechlorane Plus		德氯烷加
	示例物质		
	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene	13560-89-9	
	Dechlorane Plus Anti	135821-74-8	
	Dechlorane Plus Syn	135821-03-3	
31	Methoxychlor		甲氧滴灵
	示例物质		
	Methoxychlor	72-43-5	
	Methoxychlor	30667-99-3	
	Methoxychlor	76733-77-2	
	Methoxychlor	255065-25-9	
	Methoxychlor	255065-26-0	
	Methoxychlor	59424-81-6	
	Methoxychlor	1348358-72-4	
32	UV-328	25973-55-1	UV-328
	示例物质		
	2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol	25973-55-1	
33	Chlorpyrifos	2921-88-2	毒死蜱
34	Medium-chain chlorinated paraffins (MCCPs)		中链氯化石蜡 (MCCPs)
	示例物质		
	Reaction mass of alkanes, C14 - 17, chloro and paraffin waxes and hydrocarbon waxes, chloro	915-934-2	
	Alkanes, chloro; alkanes, chlorinated	61788-76-9	
	Alkanes, C6 - 18, chloro	68920-70-7	
	Alkanes, C10 - 21, chloro	84082-38-2	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Alkanes, C10 - 32, chloro	84776-06-7	
	Alkanes, C16 - 27, chloro	84776-07-8	
	Alkanes, C16 - 35, chloro	85049-26-9	
	Paraffin oils and hydrocarbon oils, chloro	85422-92-0	
	Alkanes, C14 - 17, chloro	85535-85-9	
	Alkanes, C12 - 14, chloro	85536-22-7	
	Alkanes, C10 - 14, chloro	85681-73-8	
	Paraffins (petroleum), normal C>10, chloro	97553-43-0	
	Alkanes, C10 - 26, chloro	97659-46-6	
	Tetradecane, chloro derivatives	198840-65-2	
	Alkanes, C14-16, chloro	1372804-76-6	
35	Long-chain perfluorocarboxylic acids, their salts and related compounds (LC-PFCAs)		长链全氟羧酸、其盐及相关化合物 (LC-PFCAs)
	示例物质		
	Long-chain perfluorocarboxylic acids (LC-PFCA)		
	Nonanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 9-heptadecafluoro-	375-95-1	
	Decanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-nonadecafluoro-	335-76-2	
	Undecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 11-heneicosafuoro-	2058-94-8	
	Dodecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-tricosafuoro-	307-55-1	
	Tridecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 13-pentacosafuoro-	72629-94-8	
	Tetradecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-heptacosafuoro-	376-06-7	
	Pentadecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 15-nonacosafuoro-	141074-63-7	
	Hexadecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 16-hentriacontafuoro-	67905-19-5	
	Heptadecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 17, 17, 17-tritriacontafuoro-	57475-95-3	
	Octadecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 17, 17, 18, 18, 18-pentatriacontafuoro-	16517-11-6	
	LC-PFCA salt		
	Nonanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 9-heptadecafluoro-, ammonium salt (1:1)	4149-60-4	
	Nonanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 9-heptadecafluoro-, sodium salt (1:1)	21049-39-8	
	Decanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-nonadecafluoro-, sodium salt (1:1)	3830-45-3	
	Decanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-nonadecafluoro-, ammonium salt (1:1)	3108-42-7	
	Polyfluorophosphates and related substances		
	Ethanol, 2,2' -iminobis-, compd. with α -fluoro- ω -[2-(phosphonoxy)ethyl]poly(difluoromethylene) (2:1)	65530-63-4	
	Ethanol, 2,2' -iminobis-, compd. with α , α' -[phosphinicobis(oxy-2,1-ethanediyl)]bis[ω -fluoropoly(difluoromethylene)] (1:1)	65530-64-5	
	Poly(difluoromethylene), α , α' -[phosphinicobis(oxy-2,1-ethanediyl)]bis[ω -fluoro-, ammonium salt (1:1)	65530-70-3	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Poly(difluoromethylene), α -fluoro- ω -[2-(phosphonooxy)ethyl]-, ammonium salt (1:1)	65530-71-4	
	Poly(difluoromethylene), α -fluoro- ω -[2-(phosphonooxy)ethyl]-, ammonium salt (1:2)	65530-72-5	
	Ethanol, 2,2'-iminobis-, compd. with α -fluoro- ω -[2-(phosphonooxy)ethyl]poly(difluoromethylene) (1:1)	65530-74-7	
	Phosphonic acid, perfluoro-C6-12-alkyl derivs.	68412-68-0	
	Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs.	68412-69-1	
	Phosphoric acid, γ - ω -perfluoro-C8-16-alkyl esters, compds. with diethanolamine	74499-44-8	
	1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-, 1,1'-(hydrogen phosphate)	1895-26-7	
	1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-eicosafuoro-12-(trifluoromethyl)-, 1-(dihydrogen phosphate)	63295-27-2	
	1,2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-14-(trifluoromethyl)-, 1-(dihydrogen phosphate)	63295-28-3	
	1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafuoro-, 1-(dihydrogen phosphate)	94158-70-0	
	1,2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoro-, 1-(dihydrogen phosphate)	94200-42-7	
	1,2-Heptadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafuoro-, 1-(dihydrogen phosphate)	94200-43-8	
	1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafuoro-, 1-(dihydrogen phosphate), diammonium salt	94200-46-1	
	1,2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoro-, 1-(dihydrogen phosphate), diammonium salt	94200-47-2	
	1,2-Heptadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafuoro-, 1-(dihydrogen phosphate), diammonium salt	94200-48-3	
	1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-eicosafuoro-12-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt	94200-50-7	
	1,2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-14-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt	94200-51-8	
	Polyfluorinated Iodides		
	Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-	2043-53-0	
	Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-12-iodo-	2043-54-1	
	Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafuoro-14-iodo-	30046-31-2	
	Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafuoro-16-iodo-	65510-55-6	
	Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-11-iodo-	65510-56-7	
	Alkyl iodides, C4-20, γ - ω -perfluoro	68188-12-5	
	Alkyl iodides, C10-12, γ - ω -perfluoro	68390-33-0	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Undecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11-tricosafuoro-11-iodo-	307-50-6	
	Dodecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12-pentacosafuoro-12-iodo-	307-60-8	
	1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14-Nonacosafuoro-14-iodotetradecane	307-63-1	
	Pentadecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15-hentriacontafuoro-15-iodo-	335-79-5	
	Tridecane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13-heptacosafuoro-13-iodo-	376-04-5	
	Decane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10-heneicosafuoro-10-iodo-	423-62-1	
	Nonane, 1, 1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9-nonadecafuoro-9-iodo-	558-97-4	
	Decane, 1, 1, 1, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10-eicosafuoro-10-iodo-2-(trifluoromethyl)-	677-93-0	
	Dodecane, 1, 1, 1, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12-tetracosafuoro-12-iodo-2-(trifluoromethyl)-	3248-61-1	
	Tetradecane, 1, 1, 1, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14-octacosafuoro-14-iodo-2-(trifluoromethyl)-	3248-63-3	
	Alkyl iodides, C6-18, perfluoro	90622-71-2	
	Polyfluorinated Thioether		
	Poly(difluoromethylene), α -[2-[(2-carboxyethyl)thio]ethyl]- ω -fluoro-, lithium salt (1:1)	65530-69-0	
	Poly(difluoromethylene), α -[2-[(2-carboxyethyl)thio]ethyl]- ω -fluoro-	65530-83-8	
	Butanoic acid, 4-[[3-(dimethylamino)propyl]amino]-4-oxo-, 2(or 3)-[(γ - ω -perfluoro-C6-20-alkyl)thio] derivs.	68187-25-7	
	1-Propanesulfonic acid, 2-methyl-, 2-[[1-oxo-3-[(γ - ω -perfluoro-C4-16-alkyl)thio]propyl]amino] derivs., sodium salts	68187-47-3	
	Fluorotetramer alcohol (FTOH)		
	1-Decanol, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10-heptadecafuoro-	678-39-7	
	1-Undecanol, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 11-nonadecafuoro-	87017-97-8	
	1-Dodecanol, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12-heneicosafuoro-	865-86-1	
	1-Tridecanol, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 13-tricosafuoro-	1545-59-1	
	1-Tetradecanol, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafuoro-	39239-77-5	
	1-Pentadecanol, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 15-heptacosafuoro-	176676-70-3	
	1-Hexadecanol, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16-nonacosafuoro-	60699-51-6	
	1-Octadecanol, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 17, 17, 18, 18, 18-tritriacontafuoro-	65104-67-8	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	1-Eicosanol, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 17, 17, 18, 18, 19, 19, 20, 20, 20- heptatriacontafluoro-	65104-65-6	
	Alcohols, C8-14, γ - ω -perfluoro	68391-08-2	
	Polyalcohol Derivatives		
	Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-, ether with α -fluoro- ω -(2- hydroxyethyl)poly(difluoromethylene) (1:1)	65545-80-4	
	Poly(difluoromethylene), α -[2-(acetyloxy)-2- [(carboxymethyl)dimethylammonio]ethyl]- ω -fluoro-, inner salt	71002-41-0	
	Poly(difluoromethylene), α -[2-(acetyloxy)-3- [(carboxymethyl)dimethylammonio]propyl]- ω -fluoro-, inner salt	123171-68-6	
	Polyfluorinated acrylates and methacrylates		
	2-Propenoic acid, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 1 5, 15, 15-tetracosafafluoro-2-hydroxy-14- (trifluoromethyl)pentadecyl ester	16083-87-7	
	2-Propenoic acid, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 14, 14, 14-tetracosafafluoro-13-(trifluoromethyl) tetradecyl ester	52956-82-8	
	2-Propenoic acid, 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12- heneicosafafluorododecyl ester, polymer with 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10- heptadecafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafafluorotetradecyl 2-methyl-2- propenoate and 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 8- tridecafluorooctyl 2-methyl-2-propenoate	65104-45-2	
	2-Propenoic acid, 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 12, 12, 12- eicosafafluoro-11-(trifluoromethyl)dodecyl ester	74256-14-7	
	2-Propenoic acid, 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 14, 14, 14-tetracosafafluoro-13-(trifluoromethyl) tetradecyl ester	74256-15-8	
	2-Propenoic acid, 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10- heptadecafluorodecyl ester	1996-88-9	
	2-Propenoic acid, 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12- heneicosafafluorododecyl ester	2144-54-9	
	2-Propenoic acid, 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 14-pentacosafafluorotetradecyl ester	6014-75-1	
	2-Propenoic acid, 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 16-nonacosafafluorohexadecyl ester	4980-53-4	
	2-Propenoic acid, 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 17, 17, 18, 18, 18- tritriacontafluorooctadecyl ester	59778-97-1	
	2-Propenoic acid, 2-methyl-, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 16, 16, 17, 17, 18, 18, 19, 19, 20, 20, 20- heptatriacontafluoroicosyl ester	65104-66-7	
	2-Propenoic acid, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12- heneicosafafluorododecyl ester	17741-60-5	
	2-Propenoic acid, ν - ω -perfluoro-C8-14-alkyl esters	85631-54-5	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Poly(difluoromethylene), α -fluoro- ω -[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]-	65530-66-7	
	Poly(difluoromethylene), α -fluoro- ω -[2-[(1-oxo-2-propen-1-yl)oxy]ethyl]-	65605-70-1	
	Polyfluorocarboxylic acid salts		
	Poly(difluoromethylene), α -fluoro- ω -(2-hydroxyethyl)-, 2-hydroxy-1,2,3-propanetricarboxylate (3:1)	65530-59-8	
	Poly(difluoromethylene), α -fluoro- ω -(2-hydroxyethyl)-, dihydrogen 2-hydroxy-1,2,3-propanetricarboxylate	65605-56-3	
	Poly(difluoromethylene), α -fluoro- ω -(2-hydroxyethyl)-, hydrogen 2-hydroxy-1,2,3-propanetricarboxylate	65605-57-4	
	Polyfluorourethane		
	Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)-, reaction products with 3-chloro-1,2-propanediol and α -fluoro- ω -(2-hydroxyethyl)poly(difluoromethylene)	110053-43-5	
	Fluoroester		
	2-Propenoic acid, 2-methyl-, C2-18-alkyl esters, polymers with α -fluoro- ω -[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and vinylidene chloride	148878-17-5	
	Poly(difluoromethylene), α -fluoro- ω -[2-[(1-oxooctadecyl)oxy]ethyl]-	65530-65-6	
	Carboxylic Acid and Ester Derivatives		
	9-Octadecenoic acid (9Z)-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester	125768-41-4	
	9-Octadecenoic acid (9Z)-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl ester	220237-52-5	
	Pentanoic acid, 4,4-bis[(γ - ω -perfluoro-C6-12-alkyl)thio] derivs., compds. with diethanolamine	94095-37-1	
	Pentanoic acid, 4,4-bis[(γ - ω -perfluoro-C8-20-alkyl)thio] derivs., compds. with diethanolamine	71608-61-2	
	Butanedioic acid, monopolyisobutylene derivs., 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester	253682-98-3	
	Butanedioic acid, monopolyisobutylene derivs., 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuoro tetradecyl ester	253682-97-2	
	1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-, 3-[(γ - ω -perfluoro-C6-20-alkyl)thio] derivs., chlorides	70983-60-7	
	Alkylammonium and Amine Derivatives		
	Betaines, N-(hydroxyethyl)-N-methyl-N-(2-sulfoethyl)-N-(1,1,2-trihydroperefluoro-C8-14-2-alkenyl)	98219-29-5	
	Betaines, (hydroxyethyl)methyl(γ , ω -perfluoro-C8-14- β -alkenyl) (2-sulfopropyl)	115340-82-4	
	Quaternary ammonium compounds, (hydroxyethyl)dimethyl(γ - ω -perfluoro-C8-14- β -alkenyl), Me sulfates (salts)	92129-34-5	
	Quaternary ammonium compounds, trimethyl(δ - ω -perfluoro-C8-14- β -alkenyl), chlorides	115535-36-9	
	Quaternary ammonium compounds, diethylmethyl(γ - ω -perfluoro-C8-14- β -alkenyl), Me sulfates	127133-57-7	
	Quaternary ammonium compounds, diethylmethyl(γ - ω -perfluoro-C8-14- β -alkenyl), tetraphenylborates	145477-02-7	
	Quaternary ammonium compounds, diethylmethyl(γ - ω -perfluoro-C8-14- β -alkenyl), tetraphenylborates	153325-45-2	
	Poly(difluoromethylene), α -fluoro- ω -[2-[[2-(trimethylammonio)ethyl]thio]ethyl]-, methyl sulfate (1:1)	65530-57-6	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Other derivatives		
	Piperazinium, 1-(carboxymethyl)-1-(2-hydroxyethyl)-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-1-oxodecyl)-, inner salt	71356-38-2	
	Thiols, C10-20, γ - ω -perfluoro	68140-21-6	
	Sulfuric acid, mono(γ - ω -perfluoro-C6-12-alkyl) esters, ammonium salts	68516-17-6	
	1-Propanaminium, 3-[[4-[(heptadecafluorononen-1-yl)oxy]benzoyl]amino]-N,N,N-trimethyl-, iodide (1:1)	59493-72-0	
	Sulfuric acid, mono(γ - ω -perfluoro-C8-12-alkyl) esters, ammonium salts	84238-62-0	
	Others		
	Ethene, tetrafluoro-, homopolymer, α -fluoro- ω -(2-hydroxyethyl)-, citrate, reaction products with 1,6-diisocyanatohexane	68891-05-4	
	Perfluoro compounds, C5-18	86508-42-1	
	1,3-Propanediol, 2,2-bis[[(γ - ω -perfluoro-C4-10-alkyl)thio]methyl] derivs., phosphates	148240-84-0	
	Hexanedioic acid, dimethyl ester, polymers with 2,2-bis(bromomethyl)-1,3-propanediol-ethanethiol-tetrafluoroethylene telomer reaction products	277752-44-0	
	2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymers with maleic anhydride, 2-[[2-mercaptoethoxy]carbonyl]amino]ethyl methacrylate, γ - ω -perfluoro-C8-16-alkyl acrylate and stearyl methacrylate	333784-46-6	
	2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymers with 2,3-dihydroxypropyl methacrylate, γ - ω -perfluoro-C8-16-alkyl acrylate, polyethylene glycol methacrylate Me ether and polypropylene glycol monomethacrylate	333784-44-4	
	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with δ - ω -perfluoro-C10-16-alkyl acrylate and vinyl acetate	174125-96-3	
	Poly(oxy-1,2-ethanediyl), α -methyl- ω -hydroxy-, 2-hydroxy-3-[(γ - ω -perfluoro-C6-20-alkyl)thio]propyl ethers	70983-59-4	
	Siloxanes and Silicones, di-Me, hydroxy-terminated, polymers with tetradecanedioic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-tricosafuoro-1-tridecanol-terminated	182700-77-2	
	Poly(difluoromethylene), α -fluoro- ω -[2-(phosphonoxy)ethyl]-	65530-61-2	
	Thiols, C8-20, γ - ω -perfluoro, telomers with acrylamide	70969-47-0	
	Fatty acids, C7-13, perfluoro	68333-92-6	
	Fatty acids, C7-19, perfluoro	91032-01-8	
	Dodecanoyl fluoride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafuoro-11-(trifluoromethyl)-	15811-52-6	
	Dodecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafuoro-11-(trifluoromethyl)-	16486-96-7	
	Tetradecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-hexacosafuoro-13-(trifluoromethyl)-	18024-09-4	
	Dodecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafuoro-11-(trifluoromethyl)-, compd. with ethanamine (1:1)	68015-87-2	
	Tetradecanoyl fluoride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-hexacosafuoro-13-(trifluoromethyl)-	68025-62-7	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Decanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 10, 10, 10- octadecafluoro-9-(trifluoromethyl)-, ammonium salt (1:1)	3658-63-7	
	Dodecanoic acid, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 12- tricosafuoro-, ammonium salt (1:1)	3793-74-6	
	Fatty acids, C7-13, perfluoro, ammonium salts	72968-38-8	
	Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs., aluminum salts	93062-53-4	
	1-Pentadecanaminium, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 1 4, 15, 15, 15-pentacosafuoro-2-hydroxy-N, N-bis(2- hydroxyethyl)-N-methyl-, iodide (1:1)	93776-16-0	
	1-Tridecanaminium, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 10, 10, 11, 11, 12, 12, 13, 13, 13- heneicosafuoro-2-hydroxy-N, N-bis(2-hydroxyethyl)-N- methyl-, iodide (1:1)	93776-17-1	
	1-Pentadecanaminium, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 1 5, 15, 15-tetracosafuoro-2-hydroxy-N, N-bis(2- hydroxyethyl)-N-methyl-14-(trifluoromethyl)-, iodide (1:1)	94159-76-9	
	2-Pentadecanol, 1-[[3-(dimethylamino)propyl]amino]- 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 1 4, 15, 15, 15-pentacosafuoro-	94159-79-2	
	2-Tridecanol, 1-[[3-(dimethylamino)propyl]amino]- 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 10, 10, 11, 11, 12, 12, 13, 13, 13- heneicosafuoro-	94159-80-5	
	2-Pentadecanol, 1-[[3-(dimethylamino)propyl]amino]- 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 1 5, 15, 15-tetracosafuoro-14-(trifluoromethyl)-	94159-82-7	
	2-Tridecanol, 1-[[3-(dimethylamino)propyl]amino]- 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 10, 10, 11, 11, 12, 13, 13, 13- eicosafuoro-12-(trifluoromethyl)-	94159-83-8	
	1-Propanaminium, N-(2-carboxyethyl)-N, N-dimethyl-3- [(4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 14, 15, 15, 15-pentacosafuoro-2- hydroxypentadecyl)amino]-, inner salt	93776-12-6	
	1-Propanaminium, N-(2-carboxyethyl)-3- [(4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 10, 10, 11, 11, 12, 12, 13, 13, 13- heneicosafuoro-2-hydroxytridecyl)amino]-N, N- dimethyl-, inner salt	93776-13-7	
	1-Propanaminium, N-(2-carboxyethyl)-N, N-dimethyl-3- [[4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 15, 15, 15-tetracosafuoro-2-hydroxy-14- (trifluoromethyl)pentadecyl]amino]-, inner salt	93776-15-9	
	Amides, C7-19, α - ω -perfluoro-N, N-bis(hydroxyethyl)	90622-99-4	
	Piperazinium, 1-(carboxymethyl)-1-(2-hydroxyethyl)- 4-(2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 10- nonadecafluoro-1-oxodecyl)-, inner salt	71356-38-2	
	2-Propenoic acid, perfluoro-C8-16-alkyl esters	85681-64-7	
	2H-Pyran, 2, 2, 3, 3, 4, 4, 5, 5, 6-nonafluorotetrahydro-6- (1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 9- nonadecafluorononyl)-	68155-54-4	
	2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with butyl 2-propenoate and 2,5-furandione, γ - ω -perfluoro-C8-14-alkyl esters, tert-Bu benzenecarboperoxoate-initiated	459415-06-6	
	2-Propen-1-ol, reaction products with 1,1,1,2,2- pentafluoro-2-iodoethane-tetrafluoroethylene telomer, dehydroiodinated, reaction products with epichlorohydrin and triethylenetetramine	464178-90-3	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	Alcohols, C16-20-branched, reaction products with 1,6-diisocyanatohexane homopolymer, α -fluoro- ω -(2-hydroxyethyl)poly(difluoromethylene) and stearyl alc.	1246542-93-7	
	2-Pentadecanol, 1,1'-[oxybis[(1-methyl-2,1-ethanediyl)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoro-	93776-00-2	
	2-Decenoic acid, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hexadecafluoro-	70887-84-2	
	Not applicable	191852-87-6	
	Side Chain Fluorinated Polymer		
	2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, hexadecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate	115592-83-1	
	2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and γ - ω -perfluoro-C18-14-alkyl acrylate	144031-01-6	
	2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with α -fluoro- ω -[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene)	65605-58-5	
	Ethanaminium, N,N-diethyl-N-methyl-2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]-, methyl sulfate (1:1), polymer with 2-ethylhexyl 2-methyl-2-propenoate, α -fluoro- ω -[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl 2-methyl-2-propenoate and N-(hydroxymethyl)-2-propenamide	65636-35-3	
	2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and α - ω -perfluoro-C8-14-alkyl acrylate	125328-29-2	
	2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and γ - ω -perfluoro-C8-14-alkyl acrylate	129783-45-5	
	2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl ester	34395-24-9	
	2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16-nonacosafuorohexadecyl 2-propenoate, octadecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate	119973-85-2	
	2-Propenoic acid, C12-14-alkyl esters, polymers with Bu (1-oxo-2-propenyl)carbamate and δ - ω -perfluoro-C6-12-alkyl acrylate	178233-67-5	
	2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with α -fluoro- ω -[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and N-(hydroxymethyl)-2-propenamide	65605-59-6	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with α -fluoro- ω -[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl 2-methyl-2-propenoate and N-(hydroxymethyl)-2-propenamide	65605-60-9	
	2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with α -fluoro- ω -[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl 2-methyl-2-propenoate and N-(hydroxymethyl)-2-propenamide	68239-43-0	
	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with Bu acrylate, γ - ω -perfluoro-C8-14-alkyl acrylate and polyethylene glycol monomethacrylate, 2,2'-(1,2-diazenediyl)bis[2,4-dimethylpentanenitrile]-initiated	150135-57-2	
	2-Propenoic acid, 2-methyl-, hexadecyl ester, polymers with 2-hydroxyethyl methacrylate, γ - ω -perfluoro-C10-16-alkyl acrylate and stearyl methacrylate	203743-03-7	
	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with γ - ω -perfluoro-C10-16-alkyl acrylate and vinyl acetate, acetates	196316-34-4	
	2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16-nonacosafluorohexadecyl 2-propenoate, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoat	1094598-90-9	
	2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymers with N-(1,1-dimethyl-3-oxobutyl)-2-propenamide, 2-ethylhexyl acrylate, γ - ω -perfluoro-C8-16-alkyl acrylate, stearyl acrylate and vinyl chloride, 2,2'-azobis[2-methylpropanimidamide] dihydrochloride-initiated	325966-78-7	
	2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, α -(2-methyl-1-oxo-2-propenyl)- ω -[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl), 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16-nonacosafluorohexadecyl 2-propenoate, octadecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate	119973-84-1	
	2-Propenoic acid, 2-methyl-, 2-aziridinyl ester, polymer with α -fluoro- ω -[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and phenylmethyl 2-methyl-2-propenoate	220713-37-1	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	2-Propenenitrile, polymer with α -fluoro- ω -[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene), α -(2-methyl-1-oxo-2-propenyl)- ω -methoxypoly(oxy-1,2-ethanediyl) and α -(2-methyl-1-oxo-2-propenyl)- ω -[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl)	374928-93-5	
	2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with α -fluoro- ω -[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)	97136-02-2	
	2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymer with α -fluoro- ω -[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)	101896-32-6	
	2-Propenoic acid, 2-methyl-, 2-aziridinyl ester, polymer with α -fluoro- ω -[[2-(2-methyl-1-oxo-2-propenyl)oxy]methyl]poly(difluoromethylene) and octadecyl 2-methyl-2-propenoate	220713-74-6	
	2-Propenoic acid, 2-methyl-, 2-aziridinyl ester, polymer with 1,1-dimethylethyl 2-methyl-2-propenoate and α -fluoro- ω -[[2-(2-methyl-1-oxo-2-propenyl)oxy]methyl]poly(difluoromethylene)	220713-85-9	
	2-Butenedioic acid (2Z)-, dioctyl ester, polymer with chloroethene and α -fluoro- ω -[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)	374928-92-4	
	2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with butyl 2-propenoate and 2,5-furandione, γ - ω -perfluoro-C8-14-alkyl esters, tert-Bu benzenecarboperoxoate-initiated	459415-06-6	
	2-Propenoic acid, polymer with butyl 2-propenoate and 2,5-furandione, γ - ω -perfluoro-C8-14-alkyl esters, potassium salts, tert-Bu benzenecarboperoxoate-initiated	524729-93-9	
	2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, polymer with α -fluoro- ω -[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene), acetate (salt)	500701-62-2	
	Ethene, tetrafluoro-, homopolymer, α -fluoro- ω -(2-hydroxyethyl)-, citrate, reaction products with 1,6-diisocyanatohexane	68891-05-4	
	Alcohols, C8-14, γ - ω -perfluoro, polymers with α -fluoro- ω -[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene), methanol, stearyl acrylate, stearyl methacrylate, 2,4-TDI and vinyl chloride	376364-33-9	
	Hexane, 1,6-diisocyanato-, homopolymer, γ - ω -perfluoro-C6-20-alc.-blocked	135228-60-3	
	1,3-Propanediol, 2,2-bis(bromomethyl)-, reaction products with ethanethiol-tetrafluoroethylene telomer, polymers with 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane, 2-heptyl-3,4-bis(9-isocyanatononyl)-1-pentylcyclohexane and 2,2'-(methylimino)bis[ethanol]	144468-32-6	
	Alcohols, C8-14, γ - ω -perfluoro, reaction products with epichlorohydrin, polyethylene glycol mono-Me ether and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic diamide	118102-37-7	
	2-Oxepanone, homopolymer, decyl perfluoro-C8-14-alkyl esters, reaction products with 1H-imidazole-1-propanamine, polyethylene-polypropylene glycol and TDI homopolymer	332076-28-5	

表1：禁止物质

以下物质被确定为禁止物质，禁止使产品中含有或者在产品制造过程中使用。

表1-5. POPs条约（附件 A,B）和 EU POPs规则（附录 I, II）

No.	物质名称	CAS No.	（中文参考译文）
	2-Oxepanone, homopolymer, decyl perfluoro-C8-14-alkyl esters, reaction products with 1H-imidazole-1-propanamine and TDI homopolymer	332076-33-2	
	2-Oxepanone, homopolymer, decyl perfluoro-C8-14-alkyl esters, reaction products with 1H-imidazole-1-propanamine, polyethylene glycol and TDI homopolymer	332076-34-3	
	Fatty acids, C18-unsatd., dimers, diisocyanates, polymers with 2,3-bis(ν - ω -perfluoro-C4-18-alkyl)-1,4-butanediol, 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane and 2,2'-(methylimino)bis[ethanol]	68990-40-9	
	Alcohols, C8-14, ν - ω -perfluoro, reaction products with epichlorohydrin, tetrahydrofuran homopolymer and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic diamide	118102-38-8	
	Alcohols, C8-14, ν - ω -perfluoro, polymers with 1,6-diisocyanatohexane, ethylene glycol, glycidol and 2,4-TDI	253873-70-0	
	Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)-, reaction products with ethylene glycol, α -fluoro- ω -[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene), glycidol and 2,4-TDI	329201-80-1	
	Hexane, 1,6-diisocyanato-, homopolymer, α -fluoro- ω -(hydroxyethyl)poly(difluoromethylene)- and Me Et ketone oxime- and polyethylene glycol mono-Me ether-blocked	428842-38-0	
	Fatty acids, linseed-oil, ν - ω -perfluoro-C8-14-alkyl esters	178535-23-4	
	Hexane, 1,6-diisocyanato-, homopolymer, reaction products with α -fluoro- ω -(2-hydroxyethyl)poly(difluoromethylene)	126927-97-7	
	Thiols, C8-20, ν - ω -perfluoro, telomers with acrylamide	70969-47-0	
	Thiols, C4-20, ν - ω -perfluoro, reaction products with methylated formaldehyde-1,3,5-triazine-2,4,6-triamine polymer	113089-67-1	
	Alcohols, C8-14, ν - ω -perfluoro, reaction products with epichlorohydrin and propylene oxide, trimethylamine-quaternized	185630-70-0	
	Poly(difluoromethylene), α -fluoro- ω -(2-hydroxyethyl)-, ester with 2,15-bis(carboxymethyl)-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,2,15,16-tetracarboxylic acid (6:1)	65530-58-7	

表1-6. 其他本公司独自规定的物质

No.	物质名称	CAS No.	别名
1	碳纳米管	308068-56-6 and others	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-1. RoHS指令 附件II

No.	物质名称	(中文参考译文)	限制条件
1	Lead	铅	- 禁止有意识地含有或者作为杂质在均质材料中的含量超过0.1% - 但是，RoHS指令附录中规定的用途除外（参照附表 I -A）
	示例物质	CAS No.	
	Lead	7439-92-1	
	Lead (II) sulfate	7446-14-2	
	Lead (II) carbonate	598-63-0	
	Trilead bis(carbonate) dihydroxide	1319-46-6	
	Lead (II) acetate, trihydrate	6080-56-4	
	Lead selenide	12069-00-0	
	Lead (IV) oxide	1309-60-0	
	Lead (II,IV) oxide	1314-41-6	
	Lead (II) sulfide	1314-87-0	
	Lead (II) phosphate	7446-27-7	
	Lead (II) titanate	12060-00-3	
	Lead sulfate, sulphuric acid, lead salt	15739-80-7	
	Lead sulphate, tribasic	12202-17-4	
	Lead stearate	1072-35-1	
	Lead (II) chromate	7758-97-6	
	Lead chromate molybdate sulphate red	12656-85-8	
	Lead sulfochromate yellow	1344-37-2	
	Lead-monoxide	1317-36-8	
	Lead hydroxide carbonate	1344-36-1	
	Lead dibasic acetate	301-04-2	
2	Mercury	汞	- 禁止有意识地含有或者作为杂质在均质材料中的含量超过0.1% - 但是，RoHS指令附录中规定的用途除外（参照附表 I -A） - 外汇及对外贸易管理法禁止使用汞的特定产品进出口。电池（属于纽扣电池的碱性锰电池）：2020.12.31～、开关及继电器：2020.12.31～、电子显示屏：2018.1.1～等
	示例物质	CAS No.	
	Mercury	7439-97-6	
	Mercury, chloro(cyclohexylmethyl)-	33631-63-9	
	Mercury (II) chloride	7487-94-7	
	Mercuric sulfate	7783-35-9	
	Mercuric nitrate	10045-94-0	
	Mercuric (II) oxide	21908-53-2	
	Mercuric sulfide	1344-48-5	
3	Cadmium	镉	- 禁止有意识地含有或者作为杂质在均质材料中的含量超过0.01% - 但是，RoHS指令附录中规定的用途除外（参照附表 I -A）
	示例物质	CAS No.	
	Cadmium	7440-43-9	
	Cadmium oxide	1306-19-0	
	Cadmium sulfide	1306-23-6	
	Cadmium chloride	10108-64-2	
4	Cadmium sulphate	10124-36-4	- 禁止有意识地含有或者作为杂质在均质材料中的含量超过0.1% - 但是，RoHS指令附录中规定的用途除外（参照附表 I -A）
	Hexavalent chromium	六价铬	
	示例物质	CAS No.	
	Barium chromate	10294-40-3	
	Calcium chromate	13765-19-0	
	Strontium chromate	7789-06-2	
	Zinc chromate	13530-65-9	
	Sodium bichromate	10588-01-9	
	Chromium trioxide	1333-82-0	
	Chromium, ion (Cr 6+)	18540-29-9	
	Sodium-chromate	7775-11-3	
	Potassium-dichromate	7778-50-9	
	Potassium-chromate	7789-00-6	
5	Polybrominated biphenyls (PBB)	多溴联苯	
	示例物质	CAS No.	
	Polybrominated Biphenyls	59536-65-1	
	Dibromobiphenyl	92-86-4	
	2-Bromobiphenyl	2052-07-5	
	3-Bromobiphenyl	2113-57-7	
	4-Bromobiphenyl	92-66-0	
	Tri bromobiphenyl	59080-34-1	
	Tetrabromobiphenyl	40088-45-7	
	Pentabromobiphenyl	56307-79-0	
	Hexabromobiphenyl	59080-40-9	
	hexabromo-1,1-biphenyl	36355-01-8	
	Firemaster FF-1	67774-32-7	
	Heptabromobiphenyl	35194-78-6	
	Octabromobiphenyl	61288-13-9	
	Nonabromobiphenyl	27753-52-2	
	Decabromobiphenyl	13654-09-6	
6	Polybrominated diphenyl ethers (PBDE)	多溴联苯醚	
	示例物质	CAS No.	
	Bromodiphenyl ether	101-55-3	
	Dibromodiphenyl ethers	2050-47-7	
	Tri bromodiphenyl ether	49690-94-0	
	Tetrabromodiphenyl ethers	40088-47-9	
	Hexabromodiphenyl ether	36483-60-0	
	Heptabromodiphenylether	68928-80-3	
	Nonabromodiphenylether	63936-56-1	
	Decabromodiphenyl ether	1163-19-5	
	Pentabromodiphenyl ether	32534-81-9	
	Octabromodiphenyl ether	32536-52-0	
7	Bis(2-ethylhexyl) phthalate (DEHP)	邻苯二甲酸二(2-乙基己基)酯	
	示例物质	CAS No.	
8	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	
	示例物质	CAS No.	
9	Butyl benzyl phthalate (BBP)	邻苯二甲酸丁苄酯	
	示例物质	CAS No.	
10	Benzyl butyl phthalate (BBP)	85-68-7	
	示例物质	CAS No.	
10	Dibutyl phthalate (DBP)	邻酞酸二丁酯	
	示例物质	CAS No.	
10	Diisobutyl phthalate (DIBP)	84-74-2	
	示例物质	CAS No.	
10	Diisobutyl phthalate (DIBP)	邻苯二甲酸二异丁酯	
	示例物质	CAS No.	
10	Diisobutyl phthalate (DIBP)	84-69-5	
	示例物质	CAS No.	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-2. 蒙特利尔议定书 附件C组 I

No.	物质名称	别名
1	二氯氟甲烷 参考CAS No. 75-43-4	HCFC-21
2	氯二氟甲烷 参考CAS No. 75-45-6	HCFC-22
3	氯氟甲烷 参考CAS No. 593-70-4	HCFC-31
4	四氯氟乙烷 参考CAS No. 354-11-0,354-14-3,134237-32-4	HCFC-121
5	三氯二氟乙烷 参考CAS No. 354-15-4,134237-33-5	HCFC-122
6	二氯三氟乙烷 参考CAS No. 354-23-4,34077-87-7	HCFC-123
7	2,2-二氯-1,1,1-三氟乙烷 参考CAS No. 306-83-2	HCFC-123
8	氯四氟乙烷 参考CAS No. 354-25-6,63938-10-3	HCFC-124
9	2-氯-1,1,1,2-四氟乙烷 参考CAS No. 2837-89-0	HCFC-124
10	三氯氟乙烷 参考CAS No. 811-95-0,27154-33-2,134237-34-6	HCFC-131
11	二氯二氟乙烷 参考CAS No. 25915-78-0	HCFC-132
12	氯三氟乙烷 参考CAS No. 75-88-7,421-04-5,431-07-2,1330-45-6	HCFC-133
13	二氯氟乙烷 参考CAS No. 430-57-9,25167-88-8	HCFC-141
14	1,1-二氯-1-氟乙烷 参考CAS No. 1717-00-6	HCFC-141b
15	氯二氟乙烷 参考CAS No. 338-64-7,25497-29-4	HCFC-142
16	1-氯-1,1-二氟乙烷 参考CAS No. 75-68-3	HCFC-142b
17	氟氯乙烷 参考CAS No. 762-50-5,1615-75-4,110587-14-9	HCFC-151
18	六氯氟丙烷 参考CAS No. 134237-35-7	HCFC-221
19	五氯二氟丙烷 参考CAS No. 134237-36-8	HCFC-222
20	四氯三氟丙烷 参考CAS No. 134237-37-9	HCFC-223
21	三氯四氟丙烷 参考CAS No. 127564-91-4,134237-38-0	HCFC-224
22	二氯五氟丙烷 参考CAS No. 422-44-6,422-48-0,431-86-7,13474-88-9,111512-56-2,127564-92-5,128903-21-9,136013-79-1	HCFC-225
23	3,3-二氯-1,1,1,2,2-五氟丙烷 参考CAS No. 422-56-0	HCFC-225ca
24	1,3-二氯-1,1,2,2,3-五氟丙烷 参考CAS No. 507-55-1	HCFC-225cb
25	氯六氟丙烷 参考CAS No. 422-55-9,422-57-1,134308-72-8	HCFC-226
26	五氯氟丙烷 参考CAS No. 134190-48-0	HCFC-231
27	四氯二氟丙烷 参考CAS No. 127564-82-3,134237-39-1	HCFC-232
28	三氯三氟丙烷 参考CAS No. 134237-40-4	HCFC-233
29	二氯四氟丙烷 参考CAS No. 127564-83-4	HCFC-234
30	氯五氟丙烷 参考CAS No. 134237-41-5	HCFC-235
31	四氯氟丙烷 参考CAS No. 134190-49-1	HCFC-241
32	三氯二氟丙烷 参考CAS No. 127564-90-3,134237-42-6	HCFC-242
33	二氯三氟丙烷 参考CAS No. 134237-43-7	HCFC-243
34	氯四氟丙烷 参考CAS No. 134190-50-4	HCFC-244
35	三氯氟丙烷 参考CAS No. 818-99-5,134190-51-5	HCFC-251
36	二氯二氟丙烷 参考CAS No. 134190-52-6	HCFC-252
37	氯三氟丙烷 参考CAS No. 134237-44-8	HCFC-253
38	二氯氟丙烷 参考CAS No. 7799-56-6,134237-45-9	HCFC-261
39	氯二氟丙烷 参考CAS No. 102738-79-4,134190-53-7	HCFC-262
40	氯氟丙烷 参考CAS No. 134190-54-8	HCFC-271

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则附录XVII 条目编号
1	多氯三联苯（PCT）类 CAS No. 61788-33-8	全面禁止该物质及其超过50mg/kg（重量百分比0.005%）的混合物中含有废油的物品，或是机器含有该类物质及混合物的情形	1
2	多溴联苯（PBB）类 CAS No. 59536-65-1	1. 禁止用于和皮肤接触的衣物、内衣、亚麻布等的纤维产品。 2. 禁止不遵守第1项的产品上市。	8
	示例物质	CAS No.	
	3-bromobiphenyl	2113-57-7	
	Decabromo-1,1'-biphenyl	13654-09-6	
	4-bromobiphenyl	92-66-0	
	4,4'-dibromobiphenyl	92-86-4	
	Hexabromo-1,1'-biphenyl	36355-01-8	
	Polybrominated biphenyls (PBB) except hexabromo-biphenyl	-	
	Nonabromo-1,1'-biphenyl	27753-52-2	
	Tetrabromo(tetrabromophenyl)benzene	27858-07-7	
	Polybromobiphenyls, Polybrominatedbiphenyls (PBB)	59536-65-1	
3	碳酸铅类 (a) PbCO ₃ CAS No. 598-63-0 (b) 2PbCO ₃ -Pb(OH) ₂ CAS No. 1319-46-6	禁止上市和使用涂料用途的物质、混合物 但是，不包括成员国根据ILO协议13批准在其领土内使用和推广油漆中的铅白和铅硫酸盐的情况，以修复和维护艺术品和历史建筑。	16
4	硫酸铅类 (a) PbSO ₄ CAS No. 7446-14-2 (b) PbXSO ₄ CAS No. 15739-80-7	禁止上市和使用涂料用途的物质、混合物 但是，不包括成员国根据ILO协议13批准在其领土内使用和推广油漆中的铅白和铅硫酸盐的情况，以修复和维护艺术品和历史建筑。	17
5	汞及其化合物	禁止使用或上市以下用途的该物质及混合物成分。 (a) 防止微生物、植物、动物产生的污染：•船体、鱼养殖用器具、用于水下 (b) 的器具、 (c) 木材防腐剂、 (d) 工业用布、线的浸渍处理 工业用水的处理	18
6	有机锡化合物	1. 自由解离型涂料中，若系杀生物剂物质及混合物的成分，则禁止上市和使用。 2. 若出于以下用途，为防微生物、植物、动物产生的污染，而用作杀生物剂物质及混合物成分，则禁止上市和使用 (a) 海洋、沿岸、河口、内陆航道、湖所用船舶、 (b) 鱼养殖用器具、 (c) 用于水下的器具 3. 禁止用作工业用水处理用途的物质及混合物成分 4. 三取代有机锡化合物 (a) 对于TBT、TPT之类的三取代有机锡化合物，在2010年7月1日之后，若产品或其零部件中，其浓度超过相当于锡换算重量百分比0.1%的浓度，则不得用于产品中。 自2010年7月1日起，不符合第4（a）项的产品不得上市。但该日前已经在加盟国中使用的产品除外。 5. DBT化合物 (a) 对于DBT化合物，在2012年1月1日之后，若混合物、产品或其零部件中，其浓度超过相当于锡换算重量百分比0.1%的浓度，则不得用于供应给公众的混合物及产品中。 (b) 5（a）项所涉该商品不得在2012年1月1日之后用于销售。但是，这之前已经在加盟国被使用的除外。 (c) 即使是有修正，在2015年1月1日前，第（a）及（b）项也不得适用于供应给公众的如下产品及混合物： -1液型及2液型室温硬化型防渗漏剂（RTV-1及RTV-2）及粘着剂、 -用于产品且DBT化合物以催化剂形式存在其中的涂料及涂覆剂、 -软质聚氯乙烯（PVC）异型材、单独或与硬质PVC的共挤塑成型品的任何一种、 -计划为室外用途的、具有PVC包层、且包层含DBT化合物以作稳定剂的结构材料、 -室外用管道、檐槽及附属品，同样包含屋顶及外墙用材料。 (d) 即使有修正，第5（a）及（b）项也不适用于2004年10月27日（EC）No. 1935/2004就食品接触用材料及产品而做出限制的材料及产品。	20

表2：限制物质
 以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
		6. DOT化合物 (a) 对于DOT化合物，在2012年1月1日之后，若产品或其零部件中，其浓度超过相当于锡换算重量百分比0.1%的浓度，则不得用于供应给公众或供公众使用的以下产品中。 -接触皮肤的纤维产品、-手套、-接触皮肤的鞋履或鞋履的一部分 -墙纸及地板材料、-儿童产品、-女性生理用品、-纸尿裤 -2液型室温硬化型成型材套件（RTV-2成型材套件） (b) 6（a）项所涉商品不得在2012年1月1日之后用于销售。但是，这之前已经在加盟国被使用的除外。	
7	镉及其化合物 CAS No. 7440-43-9 and its	1. 禁止使用在以下合成有机聚合物（以下称“塑料材料”）制造而成的混合物及成型品中。 -聚氯乙烯（PVC）的聚合物或共聚物、-聚氨酯（PUR）、-低密度聚乙烯（LDPE）、制造着色母料所用低密度聚乙烯除外、-醋酸纤维素（CA）、-醋酸-丁酸纤维素（CAB）、-环氧树脂、-三聚氰胺、-甲醛（MF）树脂、-尿素-甲醛（UF）树脂、-不饱和聚酯类（UP）、-聚对苯二甲酸乙二醇酯（PET）、-聚对苯二甲酸丁二酯（PBT）、-透明/通用聚苯乙烯、-丙烯腈-甲基丙烯酸甲酯（AMMA）、-交联聚乙烯（VPE）、-耐冲击性聚苯乙烯、-聚丙烯（PP） 由上述所列塑料材料制造而成的混合物及成型品中，若镉浓度在塑料材料0.01wt%以上，则禁止上市。 但是，第2段不适用于2011年12月10日（※错误记载订正之后）前上市的成型产品。 第1、2段在不违反94/62/EC指令及其令的情况下适用。 2012年11月19日前，根据第69条规定，EU委员会必须向ECHA要求制作满足附件XV要求条件的一套文件，以判断是否应对第1段所列之外的塑料材料限制镉及其化合物的使用。 2. 禁止使用及上市含镉0.01%以上的涂料。 锌超10wt%的涂料中，镉（Cd金属）浓度不得在0.1wt%以上。 已涂装的成型品中，若涂料中的镉（Cd金属）浓度在0.1wt%以上，则禁止上市。 3. 但是，出于安全而用含镉混合物进行着色的成型品不受第1、2项限制。 4. 但是，第1项第2段不适用于以下物品。 -由PVC废弃物制造的混合物（以后称“再生PVC”） -含再生PVC的混合物及成型品中，塑料材质的硬质PVC用途如下，且其中的镉（Cd金属）浓度不超过0.1wt%的情形。 (a) 建筑用的外面或硬质片材 (b) 门、窗、卷帘门、墙壁、百叶窗、垣、房顶的桶 (c) 甲板、露台 (d) 线缆导轨 (e) 基于上述第1项规定，再生PVC用于多层管道的中间层，同时新PVC包覆整体的非饮用水管道 供应商在第一次对含再生PVC的混合物及成型品进行上市前，应对“Contains recovered PVC”或象形图进行清晰易读地标识，且使其不易消失。 依据本规则第69条规定，第4项的适用除外规定将在2017年12月31日之前，出于降低镉限值的角度而进行重审，由此重新评估（a）～（e）的用途。 5. 本指令定义的范围下，镀镉是指因金属镉的所有析出作用而在金属表面进行的附着或涂覆。 镀镉禁止用于下列领域/适用范围中用到的金属产品或其构成零部件。 (a) 以下机器：食品生产、农业、冷却及冷冻、印刷及装订、 (b) 生产以下物品所需的机械：家庭用品、家具、卫生陶瓷、中央取暖及空调设备 无论任何情形，上述（a）（b）领域/适用范围下的镀镉产品或零部件及制造产品都禁止上市。 6. 第5项规定还适用于以下（a）及（b）领域/适用范围下的镀镉产品或零部件及制造产品。 (a) 生产以下物品所需的机械：纸及纸板、织物及衣物、 (b) 生产以下物品所需的机械：工业用操作机器及机械类、道路及农业用车辆、铁道车辆、船舶 7. 但是，第5项及第6项不适用于以下内容： -需要高度安全性基准的航空、宇宙、采矿、海洋及核能各领域下，在道路行驶用、农业车辆、铁道车辆、船舶中用作安全装置的产品、零部件。 -为提升该产品、零部件所装的装置可靠性而使用的电气接点。 8. 硬焊材中，禁止使用其达到0.01wt%以上的浓度。 硬焊材若含有0.01wt%以上的镉（Cd金属），则禁止上市。 本项规定中，硬焊是指通过合金在450℃以上的条件下实施接合的技术。 9. 但是，第8项不适用于国防、航空用途或出于安全而使用的硬焊材。	23

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
		10. 下列金属0.01 wt%以上为使用或禁止上市。 (i) 制作珠宝用的金属制珠子和其他金属制部件 (ii) 珠宝的金属部件、仿珠宝产品和发饰中，包括： -手镯，项链，戒指 -耳钉 -手表，臂饰 -别针，袖口 11. 但是，10. 不适用于2011年12月10日（*纠正错误后）之前推出的产品和截至2011年12月10日 50年前的珠宝。	
	示例物质	CAS No.	
	Cadmium dipalmitate	6427-86-7	
	Cadmium dianthranilate	7058-55-1	
	Cadmium	7440-43-9	
	Cadmium bromide	7789-42-6	
	Cadmium fluoride	7790-79-6	
	Cadmium iodide	7790-80-9	
	Cadmium iodate	7790-81-0	
	Cadmium dinitrite	7790-83-2	
	Cadmium wolframate	7790-85-4	
	Cadmium sulfoselenide orange	12656-57-4	
	Disodium tetrakis(cyano-C)cadmate(2-)	15682-87-8	
	Dipotassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cadmate(2-)	15708-29-9	
	Cadmium acrylate	15743-19-8	
	Cadmium tellurium trioxide	15851-44-2	
	Cadmium tellurium tetraoxide	15852-14-9	
	Cadmium dilactate	16039-55-7	
	Cadmium divanadium hexoxide	16056-72-7	
	5-oxo-L-proline, cadmium salt	16105-06-9	
	Cadmium propionate	16986-83-7	
	Cadmium hexafluorosilicate(2-)	17010-21-8	
	Bis(ethylenediamine)cadmium(2+) bis[dicyanoaurate(1-)]	18974-20-4	
	Cadmium diphenolate	18991-05-4	
	Cadmium bis(dipentylthiocarbamate)	19010-65-2	
	Cadmium disalicylate	19010-79-8	
	Tricadmium bis(phosphate)	13477-17-3	
	Cadmium silicate	13477-19-5	
	Cadmium sulphite	13477-23-1	
	Diboron tricadmium hexaoxide	13701-66-1	
	Dicadmium hexakis(cyano-C)ferrate(4-)	13755-33-4	
	Cadmium selenite	13814-59-0	
	Cadmium selenate	13814-62-5	
	Cadmium diricinoleate	13832-25-2	
	Cadmium orthophosphate	13847-17-1	
	Cadmium molybdenum tetroxide	13972-68-4	
	Cadmium disulphamate	14017-36-8	
	Cadmium hydrogen phosphate	14067-62-0	
	Cadmium bis(diethylthiocarbamate)	14239-68-0	
	Cadmium chromate	14312-00-6	
	Cadmium dipotassium tetracyanide	14402-75-6	
	Cadmium tetrafluoroborate	14486-19-2	
	Bis(dibutylthiocarbamate-S,S')cadmium	14566-86-0	
	Bis(pentane-2,4-dionato-0,0')cadmium	14689-45-3	
	Tris(ethylenediamine)cadmium dihydroxide	14874-24-9	
	Cadmium diicosanoate	14923-81-0	
	Cadmium bis(piperidine-1-carbodithioate)	14949-59-8	
	Bis(dimethylthiocarbamate-S,S')cadmium	14949-60-1	
	Lauric acid, barium cadmium salt	15337-60-7	
	Tricadmium diphosphide	12014-28-7	
	Antimony, compound with cadmium (2:3)	12014-29-8	
	Cadmium zirconium trioxide	12139-23-0	
	Pentacadmium chloridetriphosphate	12185-64-7	
	Dicadmium niobate	12187-14-3	

表2：限制物质

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表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Dicadmium selenide sulphide	12214-12-9	
	Cadmium ditantalum hexaoxide	12292-07-8	
	Dimethylcadmium	506-82-1	
	Cadmium carbonate	513-78-0	
	Cadmium succinate	141-00-4	
	Cadmium oxalate	814-88-0	
	Cadmium dithiocyanate	865-38-3	
	Cadmium di(octanoate)	2191-10-8	
	Cadmium distearate	2223-93-0	
	Cadmium p-toluate	2420-97-5	
	Cadmium bis(2-ethylhexanoate)	2420-98-6	
	Cadmium dilaurate	2605-44-9	
	Cadmium didecanoate	2847-16-7	
	Cadmium bis[benzoate]	3026-22-0	
	Barium cadmium tetrastearate	1191-79-3	
	Cadmium oxide	1306-19-0	
	Cadmium sulphide	1306-23-6	
	Cadmium selenide	1306-24-7	
	Cadmium telluride	1306-25-8	
	Cadmium cyanide	542-83-6	
	Cadmium di(acetate)	543-90-8	
	Cadmium zinc sulfide yellow	8048-07-5	
	Cadmium chloride	10108-64-2	
	Cadmium sulphate	10124-36-4	
	Cadmium myristate	10196-67-5	
	Cadmium nitrate	10325-94-7	
	Cadmium dioleate	10468-30-1	
	Cadmium selenide sulphide	11112-63-3	
	Tricadmium diarsenide	12006-15-4	
	Cadmium titanium trioxide	12014-14-1	
	Cadmium 4-(1,1-dimethylethyl)benzoate	4167-05-9	
	Cadmium cinnamate	4390-97-0	
	Cadmium diformate	4464-23-7	
	Cadmium sebacate	4476-04-4	
	Cadmium nonan-1-oate	5112-16-3	
	cadmium zinc telluride	303114-50-3	
	Cadmium isooctyl phthalate (1:2:2)	94247-16-2	
	Cadmium (1-ethylhexyl) phthalate (1:2:2)	94275-93-1	
	Cadmium octyl phthalate (1:2:2)	94275-94-2	
	Cadmium isooctadecanoate	84878-36-4	
	Cadmium tert-decanoate	84878-37-5	
	Cadmium bis(nonylphenolate)	84878-48-8	
	Cadmium bis(octylphenolate)	84878-51-3	
	Flue dust, lead-manufg., cadmium-rich	85117-02-8	
	Waste solids, cadmium-electrolysis, thallium-rich	85117-20-0	
	Fatty acids, C9-11-branched, cadmium salts	85586-15-8	
	Bis(5-oxo-L-prolinato-N1,O2)cadmium	85958-86-7	
	Bis(5-oxo-DL-prolinato-N1,O2)cadmium	85994-31-6	
	Benzenesulfonic acid, mono-C10-13-alkyl derivs., cadmium salts	90194-35-7	
	Benzoic acid, cadmium salt, basic	90218-85-2	
	Decanoic acid, branched, cadmium salts	90342-19-1	
	Hexanoic acid, 2-ethyl-, cadmium salt, basic	90411-62-4	
	Propanoic acid, cadmium salt, basic	90529-78-5	
	Cadmium zinc lithopone yellow	90604-89-0	
	Cadmium lithopone yellow	90604-90-3	
	Leach residues, cadmium cake	91053-44-0	
	Leach residues, zinc ore-calcine, cadmium-copper ppt.	91053-46-2	
	Fatty acids, castor-oil, hydrogenated, cadmium salts	91697-35-7	
	Fatty acids, C8-10-branched, cadmium salts	92257-06-2	

表2：限制物质

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表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Leach residues, zinc refining flue dust, cadmium-thallium ppt.	92257-11-9	
	Fatty acids, C9-13-neo-, cadmium salts	92704-12-6	
	Fatty acids, olive-oil, cadmium salts	92704-15-9	
	Fatty acids, peanut-oil, cadmium salts	92704-19-3	
	Fatty acids, rape-oil, cadmium salts	92704-24-0	
	Fatty acids, C14-18 and C18-unsatd., branched and linear, hydrogenated, cadmium salts	92797-28-9	
	Nonanoic acid, branched, cadmium salt	93686-40-9	
	Carbonic acid, cadmium salt	93820-02-1	
	Bis(2-ethylhexyl mercaptoacetato - O', S)cadmium	93858-50-5	
	Cadmium bis(o-nonylphenolate)	93894-07-6	
	Cadmium bis(p-nonylphenolate)	93894-08-7	
	Cadmium bis[p-(1,1,3,3-tetramethylbutyl)phenolate]	93894-09-8	
	Cadmium (Z)-hexadec-9-enoate	93894-10-1	
	Cadmium di(acetate), dihydrate	5743-04-4	
	Sulfuric acid, cadmium salt, hydrate (3:3:8)	7790-84-3	
	Cadmium compounds	-	
	Cadmium (II) chloride monohydrate	35658-65-2	
	Sulfuric acid, cadmium salt (1:1), hydrate	15244-35-6	
	Cadmium perchlorate hexahydrate	10326-28-0	
	Cadmium chloride hydrate	654054-66-7	
	Cadmium bromide tetrahydrate	13464-92-1	
	cadmium nitrate tetrahydrate	10022-68-1	
	cadmium chloride (CdCl ₂), hydrate (2:5)	7790-78-5	
	Cadmium zinc sulphide	12442-27-2	
	Cadmium selenide sulfide	12626-36-7	
	Cadmium(2+) (R)-12-hydroxyoctadecanoate	38517-19-0	
	Potassium [N, N-bis(carboxymethyl)glycinato(3-)-N, O, O', O'']cadmate(1-)	49784-42-1	
	Bis[N, N-bis(carboxymethyl)glycinato(3-)]tricadmium	50648-02-7	
	Boric acid, cadmium salt	51222-60-7	
	Cadmium o-toluate	52337-78-7	
	Cadmium hydroxide	21041-95-2	
	Cadmium methacrylate	24345-60-6	
	Cadmium epoxyoctadecanoate	26264-48-2	
	Cadmium toluate	27476-27-3	
	[[N, N'-ethylenebis[glycinato]](2-)-N, N', O, O']cadmium	29977-13-7	
	Cadmium isooctanoate	30304-32-6	
	Cadmium dodecylbenzenesulphonate	31017-44-4	
	Cadmium (1, 1-dimethylethyl)benzoate	31215-94-8	
	Cadmium [R-(R*, R*)]-tartrate	34100-40-8	
	Cadmium didocosanoate	34303-23-6	
	Disodium [[N, N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N, N', O, O', ON, ON']cadmate(2-)	35803-35-1	
	Cadmium 3, 5, 5-trimethylhexanoate	36211-44-6	
	Bis(propane-1, 2-diylamine-N, N')cadmium(2+) bis[bis(cyano-C)aurate(1-)]	67906-19-8	
	Cadmium dilinoleate	67939-62-2	
	Tetrapotassium [[[nitrilotris(methylene)]tris(phosphonato)](6-)-N, O, O'', O''']cadmate(6-)	67989-93-9	
	Cadmium m-toluate	68092-45-5	
	Fatty acids, C10-18, cadmium salts	68131-58-8	
	Fatty acids, C12-18, cadmium salts	68131-59-9	
	Cadmium selenide (CdSe), solid soln. with cadmium sulfide	71243-75-9	

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表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	(R)-12-hydroxyoleic acid, barium cadmium salt	71411-66-0	
	Tetra-μ-chlorodichlorobis[2-[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]triethylmethyllumoniumato]tricadmium, stereoisomer	71861-27-3	
	Fatty acids, coco, cadmium salts	72869-63-7	
	Zircon, cadmium yellow	72968-34-4	
	Cadmium isononanoate	84696-56-0	
	Benzyltriphenylphosphonium tetrachlorocadmiate	68214-25-5	
	Pentapotassium hydrogen [[[(ethylenebis[nitrilobis(methylene)])tetrakis[phosphonato]](8-)]cadmate(6-)]	68309-98-8	
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped	68332-81-0	
	Fatty acids, C14-18, cadmium salts	68409-82-5	
	Cadmium, benzoate p-tert-butylbenzoate complexes	68478-53-5	
	Pyrochlore, bismuth cadmium ruthenium	68479-13-0	
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and cobalt and copper and silver-doped	68784-10-1	
	Barium cadmium calcium chloride fluoride phosphate, antimony and manganese-doped	68784-55-4	
	Fatty acids, tall-oil, cadmium salts	68855-80-1	
	Fatty acids, C8-18 and C18-unsatd., cadmium salts	68876-84-6	
	Cadmium sulfide (CdS), aluminum and copper-doped	68876-98-2	
	Cadmium sulfide (CdS), aluminum and silver-doped	68876-99-3	
	Cadmium sulfide (CdS), copper chloride-doped	68877-00-9	
	Cadmium sulfide (CdS), silver chloride-doped	68877-01-0	
	Cadmium sulfide (CdS), copper and lead-doped	68891-87-2	
	Fatty acids, tallow, hydrogenated, cadmium salts	68953-39-9	
	Resin acids and Rosin acids, cadmium salts	68956-81-0	
	Hydrogen [4-[(5-chloro-4-methyl-2-sulphophenyl)azo]-3-hydroxynaphthalene-2-carboxylato(3-)]cadmate(1-)]	68966-97-2	
	Cadmium, dross	69011-69-4	
	Wastewater, cadmium sulfate electrolytic, acid	69012-21-1	
	Flue dust, cadmium-refining	69012-57-3	
	Calcines, cadmium residue	69029-63-6	
	Leach residues, cadmium-refining	69029-70-5	
	Residues, cadmium-refining	69029-77-2	
	Slimes and Sludges, cadmium-refining, oxidized	69029-90-9	
	Slimes and Sludges, cadmium sump tank	69029-91-0	
	Cadmium(2+) 12-hydroxyoctadecanoate	69121-20-6	
	Cadmium potassium 1-(hydroxyethylidene)bisphosphonate(1:2:1)	69190-99-4	
	Fatty acids, C12-18, barium cadmium salts	70084-75-2	
	Cadmium bis(4-cyclohexylbutyrate)	55700-14-6	
	Cadmium divalerate	56982-42-4	
	Cadmium sulfoselenide red	58339-34-7	
	Naphthenic acids, cadmium salts	61789-34-2	
	Cadmium neodecanoate	61951-96-0	
	Cadmium bis(heptadecanoate)	62149-56-8	
	Cadmium pentadecanoate	63400-09-9	

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No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	(S)-dichloro[2-[[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]triethylmethylammonium]cadmium	64681-08-9	
	Cadmium isodecanoate	93965-24-3	
	Cadmium bis(isoundecanoate)	93965-30-1	
	Cadmium dimethylhexanoate	93983-65-4	
	Cadmium tetrapentyl bis(phosphate)	94232-49-2	
	Leach residues, cadmium-contg. flue dust	94551-70-9	
	Cadmium isohexadecanoate	95892-12-9	
	Cadmium diisobutyl dimaleate	97259-82-0	
	Zircon, cadmium orange	99749-34-5	
	Cadmium chloride phosphate (Cd5Cl(P04)3), manganese-doped	100402-53-7	
	Flue dust, copper-lead blast furnace, cadmium-indium-enriched	100656-55-1	
	Dodecanoic acid, cadmium salt, basic	101012-89-9	
	Octadecanoic acid, cadmium salt, basic	101012-93-5	
	Octadecanoic acid, 12-hydroxy-, cadmium salt, basic	101012-94-6	
	Cadmium oxide (CdO), solid soln. with calcium oxide and titanium oxide (TiO2), praseodymium-doped	101356-99-4	
	Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped	101357-00-0	
	Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped	101357-01-1	
	Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped	101357-02-2	
	Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped	101357-03-3	
	Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped	101357-04-4	
	Cadmium oxide (CdO), solid soln. with magnesium oxide, tungsten oxide (W03) and zinc oxide	102110-30-5	
	Silicic acid, zirconium salt, cadmium pigment-encapsulated	102184-95-2	
	Cadmium triiodide, triiodo-, potassium	14429-88-0	
	Cadmium mercury sulfide	1345-09-1	
	Cadmium zinc sulfide ((Cd,Zn)S), cobalt and copper-doped	72869-26-2	
	Selenic acid, cadmium salt (1:1), dihydrate	10060-09-0	
	Tetraiodide diammonium cadmium	105034-60-4	
	Cadmium trichloride monopotassium	14429-85-7	
	Cadmium potassium hexachloride	15276-40-1	
	Cadmium bromide rubidium	16593-57-0	
	Cadmium chloride rubidium	18532-58-6	
	Cadmium sodium tetrachloride	21360-94-1	
	Cesium sulfate cadmium	28041-77-2	
	Cadmium chloride potassium hydrate	28302-54-7	
	Potassium sulfate cadmium hexahydrate	30623-04-2	
	Cadmium trichloride 1 sodium	55425-74-6	
	Cadmium sulfate sodium	28038-18-8	
	Potassium sulfate cadmium	28038-25-7	
	Monoammonium cadmium triiodide	32593-99-0	
	Cadmium sulfate caesium hexahydrate	34345-39-6	
	Potassium sulfate cadmium dihydrate	38386-25-3	
	Cadmium chloride magnesium dodecahydrate	77289-75-9	
	Zircon, cadmium red	72828-62-7	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Cadmium, diethyl-	592-02-9	
	Cadmium acetate hydrate	89759-80-8	
	Hydrogen [N,N-bis(carboxymethyl)glycinato(3-)-N, O, O', O'']cadmate	49784-44-3	
	Dipotassium tetrachlorocadmte(2-)	20648-91-3	
	Cadmium mercury telluride	29870-72-2	
	Dihydrogen bis[hydroxysuccinato(2-)-O1, O2, O4]cadmate(2-)	71436-99-2	
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper chloride-doped	68512-49-2	
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and manganese-doped	68512-50-5	
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and copper-doped	68512-51-6	
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and silver-doped	68583-43-7	
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, nickel and silver-doped	68583-44-8	
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, silver chloride-doped	68583-45-9	
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and silver-doped	68584-41-8	
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and nickel-doped	68584-42-9	
	Barium di-μ-chlorotetrachlorodicadmte(2-)	61129-40-6	
	Cadmium peroxide	12139-22-9	
	Cadmium selenide sulfide, (Cd ₂ SeS)	12213-70-6	
	Cadmium sulfate, tetrahydrate	13477-21-9	
	Phosphoric acid, ammonium cadmium salt (1:1:1)	14520-70-8	
	Octadecanoic acid, barium cadmium salt	17033-07-7	
	Ammonium cadmium chloride (Ammonium cadmium trichloride)	18532-52-0	
	Cadmium pyrophosphate	19262-93-2	
	Cadmium sulfate octahydrate	22465-18-5	
	Cadmium, chloro(1,10-phenanthroline-2-carboxylato)-, polymers	25685-75-0	
	Disodium ethylenediaminetetraacetate cadmium	30363-28-1	
	Barium tetrachlorocadmte(2-)	99587-10-7	
	Benzenediazonium, 4-(phenylamino)-, sulfate (1:1), polymer with formaldehyde, cadmium chloride	68441-39-4	
	Cadmium borate oxide (Cd ₃ (BO ₂) ₄), manganese-doped	68784-58-7	
	Barium cadmium zinc sulfide (Ba ₂ (Cd,Zn)S ₃), manganese-doped	68876-90-4	
	Cadmium laurate, palmitate, stearate	68954-18-7	
	Cadmium sponge	69011-70-7	
	Slimes and Sludges, cadmium electrolytic	69029-89-6	
	Cadmium, dichlorotetrakis(1H-imidazole-kappaN3)-	72275-93-5	
	Cadmium zinc sulfide	11129-14-9	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则附录XVII 条目编号
8	偶氮颜料，偶氮染料	1. 偶氮染料中，通过1个以上的偶氮还原分解，若可能释放出1个以上的附表8所述芳香胺，且超过附表10所述分析方法下的可检测浓度，也就是说，若可能释放超出成型品中或由此染色的部分中30mg/kg（0.003%）的浓度，则禁止用于可能直接或间接接触人体皮肤、口腔的如下织物及皮革成型品。 -衣物、床品、毛巾、发卡、假发、帽子、纸尿裤、其他卫生用品、睡袋、鞋履、手套、腕表带、手包、钱包、钱夹、文件包、椅子套、挂脖式钱包、织物或皮革玩具以及含有织物及皮革衣物的玩具、最终消费者会用到的线、织物。 2. 第1项的织物及皮革成型品中，不满足上述条件的，禁止上市。 3. 附表9《偶氮染料的清单》所含的偶氮染料用作物质、混合物的成分时，若超过0.1wt%，则禁止按织物及皮革成型品着色用途进行上市或使用。	43
	示例物质	CAS No.	
	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-)	118685-33-9	
	4-o-tolylazo-o-toluidine	97-56-3	
9	二苯基醚八溴化物	1. 作为物质时，或作为物质、混合物的成分且超过0.1wt%时，禁止上市或使用。 2. 成型品本身或难燃化的部位含有该物质，且超过0.1wt%时，禁止上市。 3. 作为第2项的适用除外规定，2004年8月15日前使用了该物质的产品，以及适用2002/95/EC的电气电子机器不受此限。	45
	示例物质	CAS No.	
	Diphenyl ether, octabromo derivative	32536-52-0	
10	六价铬化合物	1. 对于水泥或含水泥的混合物，其为水和物质时，若相对于水泥的总干燥重量，可溶性六价铬含量超过了2mg/kg（0.0002%），则禁止上市或使用。 2. 如要用到还原剂，则必须在包装上记载包装日，以及为维持还原剂活性而让可溶性六价铬含量维持在第1项限值以下的储藏条件、储藏期限。 3. 作为适用除外规定，若水泥及含水泥的混合物是由机械操作，且用于不可能接触到皮肤的封闭性全自动工序，则不适用第1、2项。 4. 采用证明符合性的试验方法时，应采纳欧洲标准化委员会（CEN）就水泥及含水泥混合物中水溶性六价铬试验而采纳的标准。 5. 皮革产品中，若皮革全干燥重量中，六价铬含量为3mg/kg（0.0003wt%）以上，则不得上市。 6. 含有皮革部位的产品中，若皮革部位全干燥重量中，六价铬含量为3mg/kg（0.0003wt%）以上，则不得上市。 7. 第5项及第6项不适用于2015年5月1日前最终使用的中古产品。	47
11	多环芳香族碳氢化合物(PAH)类 (a) 苯并(a)芘(BaP) CAS No. 50-32-8 (b) 苯并(e)芘(BeP) CAS No. 192-97-2 (c) 苯并(a)蒽(BaA) CAS No. 56-55-3 (d) 屈(CHR) CAS No. 218-01-9 (e) 苯并(b)荧蒽(BbFA) CAS No. 205-99-2 (f) 苯并(j)荧蒽(BjFA) CAS No. 205-82-3 (g) 苯并(k)荧蒽(BkFA) CAS No. 207-08-9 (h) 苯并(a,h)蒽(DBAha) CAS No. 53-70-3	1. 2010年1月1日起，填充油若含有以下物质时，则禁止以轮胎制造材料的用途进行上市或使用：1mg/kg（0.0001wt%）以上的BaP，或清单所有列示PAHs合计在10mg/kg（0.001wt%）以上的情形。 如要举证满足第1段提及的限值，实验法方面必须采用欧洲标准EN16143:2013（石油产品—苯并（a）芘（BaP）和填充油中选定的多环芳烃（PAH）含量的测定—使用LC清洗和GC/MS分析的步骤）。 2. 2010年1月1日后制造的轮胎及翻新轮胎用胎面若含有拉伸油且其超过第1项的阈值，则禁止上市。 关于这些阈值，依据ISO21461测定或计算后，若橡胶硬化化合物湾区理论下氢在0.35%以下，则视为符合规定。 3. 作为使用除外规定，第2项不适用于具有胎面，但拉伸油不含超过第1项阈值的翻新轮胎。 4. 作为本条规定的对象，“轮胎”是指以下所定车辆的轮胎。 •2007/46/EC（2007年9月5日、汽车及牵引车型号认证通用指令） •2003/37/EC（2003年5月26日、关于农用或林用拖拉机及牵引车的型号认证指令） •2002/24/EC（2002年3月18日、二轮或三轮摩托车型号认证指令）	50

表2：限制物质
以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
		5. 对于含有橡胶或塑料构件的产品，在通常可合理预计的使用条件下，若该橡胶或塑料构件会长时间接触，或是短时间反复接触人体皮肤或口腔，且该构件具有合计干燥重量下1mg/kg（重量百分比0.0001%）以上的浓度，且含有清单中列出的任一PAHs，则不得在EU上市供应给公众。 代表性产品： •运动器械（自行车、高尔夫球杆、球拍等） •厨房用品、无轨电车、手推车 •家庭用工具 •衣服、鞋履类、手套、运动服饰 •腕表带、手镯、口罩、发饰 6. 对于含有橡胶或塑料构件的玩具（包括伴有活动的玩具）、保育用品，在通常可合理预计的使用条件下，若该橡胶或塑料构件会长时间接触，或是短时间反复接触人体皮肤或口腔，且该构件具有合计干燥重量下0.5mg/kg（重量百分比0.00005%）以上的浓度，且含有清单中列出的任一PAHs，则不得在EU上市。 7. 作为特例，2015年12月27日前第一次上市的产品不适用第5项和第6项规定。 8. 欧洲委员会在2015年12月27日之前，结合产品以及PAHs包括迁移在内的新科学信息及代替原材料信息，重申第5项和第6项的阈值，并在合适的情况下，变更这些规定。	
12	下述邻苯二甲酸酯类 (a) 双(2-乙基己基)邻苯二甲酸盐 (DEHP) CAS No. 117-81-7 (b) 邻苯二甲酸二丁酯 (DBP) CAS No. 84-74-2 (c) 邻苯二甲酸苄酯 (BBP) CAS No. 85-68-7 (d) 邻苯二甲酸二异丁酯 (DIBP) CAS No. 84-69-5	1 玩具或育婴成型品的可塑化材料中，若物质本身或混合物中物质的形式下，柱1的邻苯二甲酸（报告者注：左边标注的邻苯二甲酸）分别存在或是与其他柱1的邻苯二甲酸组合起来达到0.1wt%以上的浓度，则不得使用。 2. 可塑化材料中，0.1wt%以上浓度的柱1最初3个邻苯二甲酸（DEHP、DBP、BBP※报告者注）分别存在，或是这些组合存在于玩具或育婴成型品时，不得上市。并且，2020年7月7日起，可塑化材料中，0.1wt%以上浓度的DIBP分别存在，或是与柱1最初3个邻苯二甲酸（DEHP、DBP、BBP※报告者注）组合存在于玩具或育婴成型品时，不得上市。 3. 2020年7月7日起，成型品中的可塑化材料中，柱1邻苯二甲酸以物质本身或混合物中的物质分别存在，或是与其他柱1邻苯二甲酸组合存在于成型品，且浓度在0.1wt%以上时，不得上市。 4. 第3项不适用以下内容。 (a) 成型品仅用于工业用途，或仅用于农业用途，或仅用于开放环境，因而可塑化材料不会接触人体粘膜或不会与人体皮肤长期接触。 (b) 2024年1月7日前上市的飞机或是飞机出于安全或耐飞性（airworthiness）而不可或缺的成型品中，仅用于飞机维护或修理而上市的成型品。 (c) 2024年1月7日前上市，且属于指令2007/46/EC的范围的汽车或是汽车正常工作所必须的成型品中，仅用于汽车维护或修理而上市的成型品。 (d) 2020年7月7日前上市的成型品。 (e) 以实验用途为目的的测量机器及其零部件。 (f) 属于规则（EC）No 1935/2004或欧洲委员会规则（EC）No 10/2011的范围，且预计会接触食品的材料或成型品。 (g) 属于指令90/385/EEC、93/42/EEC或98/79/EC的范围的医疗器械。 (h) 属于指令2011/65/EU的范围的电气电子机器。 (i) 属于规则（EC）No 726/2004、指令2001/82/EC或指令2001/83/EC的范围的医药品的直接包装。 (j) 第1项或第2项中属于适用范围的玩具及育婴成型品。 5. 第1～4a项的目的下： (a) “可塑化材料”是指以下任一均质材料。 —PVC、PVDC、PVA、聚氨酯。 —除了硅橡胶及天然乳胶涂层之外的其他聚合物（包括聚合物发泡体及橡胶材料）。 —表面涂层、防滑涂层、精加工（finishes）、贴花纸（decal）、印花设计。 —胶黏剂、防渗漏剂、涂料、油墨 (b) “与皮肤的长时间接触”是指10分钟以上的持续接触，或是平均1天30分钟的非持续性接触（intermittent contact）。 (c) “育婴成型品”是指帮助睡眠、放松、卫生、哺乳或儿童摄食的产品。 6. 第4b项的目的下，飞机是指以下任一情形： (a) 依据规则（EC）No 216/2008发行的型号认证而生产的民用飞机或基于国际民航机构（ICAO）缔约国国家规则发行的设计认证而生产的飞机或是基于1944年12月7日在芝加哥签署的国际民航条约附件8，而由ICAO缔约国发行耐飞性认证而生产的飞机。 (b) 军用飞机	51
13	富马酸二甲酯 (DMF) CAS No. 624-49-7	禁止在成型品或其任何零部件中，使用其浓度超过0.1mg/kg的情形。 禁止发售其浓度超0.1mg/kg的含DMF成型品或其任何零部件。	61

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
14	醋酸苯汞 (a) Phenylmercury acetate ((乙酰丙酮κO) (苯基)水银) (苯乙酸汞) CAS No. 62-38-4 (b) Phenylmercury propionate CAS No. 103-27-5 (c) Phenylmercury 2-ethylhexanoate CAS No. 13302-00-6 (d) Phenylmercury octanoate CAS No. 13864-38-5 (e) Phenylmercury neodecanoate CAS No. 26545-49-3	1. 2017年10月10日之后，物质形式或混合物中的水银浓度如在0.01wt%以上，则禁止以混合物的形式进行制造、上市或使用。 2. 2017年10月10日之后，即使是含有这些物质1种以上的成型品或其任何零部件，只要成型品或其零部件中的水银浓度在0.01wt%以上，就禁止上市。	62
15	鉛 (CAS No. 7439-92-1) 及其化合物	1. 如果珠宝首饰中的铅（金属）含量超过 0.05 wt%，则禁止将其投放市场或用于任何单独部件。 2. 就第 1 项而言 (i) “首饰制品”包括首饰和仿首饰制品及发饰，其中包括 (a) 手镯、项链和戒指 (b) 穿孔首饰 (c) 手表和手腕饰品 (d) 胸针和袖扣 (ii) “个别部分”包括製造首飾的物料，以及首飾的個別組件。 3. 第 1 项也适用于投放市场或用于珠宝制造的单个部件。 4. 作为减损，第 1 项不适用于 (a) 理事会指令 69/493/EEC (*) 附件 I (类别 1、2、3 和 4) 所定义的 (b) 水晶玻璃 (c) 消费者无法接触到的手表计时器内部部件 合成或再造的宝石和半宝石 (CN 代码 7103，由第 2658/87 号条例 (EEC) 确定)，除非曾用铅或其化合物或含铅混合物处理过 珐琅，定义为矿物在至少 500 ° C 的温度下熔化、玻璃化或烧结而产生的可玻璃化混合物。 (*) OJ L 326, 29. 12. 1969, p. 36 5. 作为减损，第 1 项不适用于 2013 年 10 月 9 日前首次投放市场的首饰制品和 1961 年 12 月 10 日前生产的首饰制品。 6. 在2017年10月9日之前，委员会应根据新的科学信息，包括替代品的可得性和第1段所述物品中铅的迁移情况，重新评估本条目第1至5段，并酌情对本条目进行相应修改。 7. 如果铅（作为金属）的重量浓度为 0.05% 或更高，则可能被儿童摄入的消费品或其部件或其任何可接触部分不得投放市场或使用。然而，这种浓度规定受到以下条件的限制：从制品或制品的一部分（无论是否涂漆）中释放的铅的速率为每小时 0.05 μg/cm ² (=0.05 μg/g/h)。如果可以证明不会超过释放率，并且对于涂漆制品，在制品的正常使用条件下至少两年内不会超过释放率，则不适用。“儿童可能放入口中的物品或物品的一部分”对应于边长小于5cm的物品，或对应于具有小于5cm的可拆装部分或突出部分的物品或物品的一部分。 8. 作为减损，第 7 项不适用于以下情况 (a) 第 1 项所涵盖的首饰物品 (b) 指令 69/493/EEC 附件一（类别 1、2、3 和 4）中定义的水晶玻璃 (c) 非合成或再造的宝石和半宝石（第 2658/87 号条例（欧共体）规定的 CN 代码 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 (d) 珐琅，定义为矿物在至少 500 ° C 温度下熔化、玻璃化或烧结产生的可玻璃化混合物 (e) 钥匙和锁，包括挂锁 (f) 乐器 (g) 由黄铜合金组成的物品和物品部件，但黄铜合金中的铅（以金属表示）含量不超过 0.5%（按重量计）； (h) 书写工具的尖端 (i) 宗教用品 (j) 便携式锌碳电池和纽扣电池； (k) 符合下列规定的物品 (i) 第 94/62/EC 号指令； (ii) 第 1935/2004 号条例（欧共体）； (iii) 欧洲议会和理事会第 2009/48/EC 号指令 (*) (iv) 欧洲议会和理事会第 2011/65/EU 号指令 (**)	63

表2：限制物质
 以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
		(*) 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). 9. 到 2019 年 7 月 1 日，委员会应根据新的科学信息，包括替代品的可获得性和第 7 项中提及的物品中铅的迁移情况，重新评估本条目第 7 项和第 8 项(e)、(f)、(i)和(j)，包括对涂层完整性的要求，并酌情对本条目进行相应修改。 10. 作为减损，第 7 项不适用于 2016 年 6 月 1 日前首次投放市场的物品。 15. 以氯乙烯（PVC）聚合物或共聚物为原料生产的物品，如果铅含量等于或大于PVC材料重量的0.1%，则不得投放市场或使用。 16. 第 15 项自 2024 年 11 月 29 日起生效。 17. 作为减损，第15项在2025年5月28日之前不适用于含有回收软聚氯乙烯的聚氯乙烯制品。 18. 作为减损，在2033年5月28日之前，第15项不适用于含有回收硬质PVC的下列PVC物品，如果铅含量低于回收硬质PVC重量的1.5%： (a) 用于建筑物和土木工程外部的型材和板材，不包括露台和阳台 (b) 用于露台和阳台的型材和板材，条件是回收的聚氯乙烯用于中间层，并完全覆盖一层聚氯乙烯或其他材料，且其铅含量低于 0.1%（重量百分比） (c) 用于建筑物和土木工程中隐蔽空间或空隙的型材和板材（在正常使用时无法进入，不包括维修，例如电缆管道） (d) 用于建筑物内部的型材和板材，条件是安装后面向建筑物占用区域的型材或板材的整个表面使用聚氯乙烯（PVC）或其他铅含量低于 0.1%（重量百分比）的材料生产； (e) 多层管材（不包括饮用水管材），条件是回收的聚氯乙烯用于中间层，并完全覆盖一层聚氯乙烯或铅含量低于 0.1%（重量百分比）的其他材料 (f) 管件，不包括饮用水管件。 19. 作为减损，第15项不适用于 (a) 铅酸电池中的聚氯乙烯-二氧化硅隔膜，直至 2033 年 5 月 28 日 (b) 第 1 项根据第2项至第5项涵盖的物品，以及第 7 项根据第8项和第10项涵盖的物品 (c) 符合以下规定的物品 (i) Regulation (EC) No 1935/2004； (ii) 第 2011/65/EU 号指令； (iii) 第 94/62/EC 号指令 (iv) 第 2009/48/EC 号指令。 20. 作为减损，第15项不适用于2024年11月28日之前投放市场的PVC物品。	
	示例物质	CAS No.	
	Lead	7439-92-1	
	Lead compounds	-	
	Lead di(acetate)	301-04-2	
	Lead bis(2-ethylhexanoate)	301-08-6	
	Trilead dicitrate	512-26-5	
	Tetramethyllead	75-74-1	
	Tetraethyllead	78-00-2	
	Ethyltrimethylplumbane	1762-26-1	
	Diethyldimethylplumbane	1762-27-2	
	Triethylmethylplumbane	1762-28-3	
	Tetrabutylplumbane	1920-90-7	
	Diphenyllead dichloride	2117-69-3	
	Hexaethyldiplumbane	2388-00-3	
	Acetoxytributylplumbane	2587-82-8	
	Hexaphenyldiplumbane	3124-01-4	
	Docosanoic acid, lead salt	3249-61-4	
	Lead tetraacetate	546-67-8	
	Lead dicyanide	592-05-2	
	Lead dithiocyanate	592-87-0	
	Tetraphenyllead	595-89-1	
	Lead diformate	811-54-1	
	Lead dipropionate	814-70-0	
	Lead oxalate	814-93-7	
	Lead tartrate	815-84-9	
	Lead malate	816-68-2	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Lead dibutyrate	819-73-8	
	Lead(2+) acrylate	867-47-0	
	Lead dibenzoate	873-54-1	
	Chlorotriethylplumbane	1067-14-7	
	Lead(2+) methacrylate	1068-61-7	
	Lead distearate	1072-35-1	
	Lead dioleate	1120-46-3	
	Chlorotriphenylplumbane	1153-06-6	
	Acetoxytriphenylplumbane	1162-06-7	
	Lead succinate	1191-18-0	
	Lead dioxide	1309-60-0	
	Orange lead	1314-41-6	
	Lead sulphide	1314-87-0	
	Lead telluride	1314-91-6	
	Lead monoxide	1317-36-8	
	Trilead-bis(carbonate)-dihydroxide 2PbCO ₃ -Pb(OH) ₂	1319-46-6	
	2-(2,4,5,7-tetrabromo-3,6- dihydroxyxanthen-9-yl)benzoic acid, lead salt	1326-05-2	
	Lead, bis(acetato-0)tetrahydroxytri-	1335-32-6	
	Lead sulfochromate yellow	1344-37-2	
	Basic lead chromate orange	1344-38-3	
	Chlorotrimethylplumbane	1520-78-1	
	Pyrochlore, antimony lead yellow	8012-00-8	
	Resin acids and Rosin acids, lead salts	9008-26-8	
	Lead arsenite	10031-13-7	
	Lead dibromide	10031-22-8	
	Lead dinitrate	10099-74-8	
	Lead(2+) silicate	10099-76-0	
	Lead divanadium hexaoxide	10099-79-3	
	Lead diiodide	10101-63-0	
	Lead molybdate	10190-55-3	
	Lead diphosphinate	10294-58-3	
	Silicic acid, chromium lead salt	11113-70-5	
	Dibismuth dilead tetraruthenium tridecaoxide	11116-83-9	
	Silicic acid, lead salt	11120-22-2	
	Dicalcium lead tetraoxide	12013-69-3	
	Trilead diarsenate	3687-31-8	
	Lead diundec-10-enoate	94232-40-3	
	(isononanoato-0) (isooctanoato-0) lead	94246-84-1	
	(isodecanoato-0) (isooctanoato-0) lead	94246-85-2	
	(isodecanoato-0) (isononanoato-0) lead	94246-86-3	
	(isodecanoato-0) (neodecanoato-0) lead	94246-87-4	
	(2-ethylhexanoato-0) (isooctanoato- 0) lead	94246-90-9	
	(2-ethylhexanoato-0) (isononanoato- 0) lead	94246-91-0	
	(2-ethylhexanoato-0) (isodecanoato- 0) lead	94246-92-1	
	(2-ethylhexanoato-0) (neodecanoato- 0) lead	94246-93-2	
	Lead icosanoate (1:2)	94266-31-6	
	Lead icosanoate	94266-32-7	
	Fatty acids, tallow, reaction products with lead oxide	94349-78-7	
	(isononanoato-0) (neodecanoato-0) lead	94481-58-0	
	Lead, zinc dross	94551-60-7	
	Fatty acids, C8-12, lead salts	84776-53-4	
	Fatty acids, C18-24, lead salts	84776-54-5	
	[μ-(4,6-dinitroresorcinolato(2-)- 01,03)]dihydroxydilead	84837-22-9	
	Lead(II) isodecanoate	84852-34-6	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Lead, isononanoate isooctanoate complexes, basic	84929-94-2	
	Lead, isooctanoate neodecanoate complexes, basic	84929-95-3	
	Lead, naphthenate neodecanoate complexes, basic	84929-96-4	
	Lead, isononanoate naphthenate complexes	84929-97-5	
	Benzenesulfonic acid, 4-ClO-13-sec-alkyl derivs., lead(2+) salts	84961-75-1	
	Fatty acids, C8-10-branched, lead salts	85049-42-9	
	Flue dust, lead-manufg., cadmium-rich	85117-02-8	
	Lead(2+) 4-(1,1-dimethylethyl)benzoate	85292-77-9	
	Lead bis(5-oxo-L-prolinate)	85392-77-4	
	Lead bis(5-oxo-DL-prolinate)	85392-78-5	
	Lead uranate pigment	85536-79-4	
	Lead bis(tetracosylbenzenesulphonate)	85865-91-4	
	Lead bis[didodecylbenzenesulphonate]	85865-92-5	
	1,2-Benzenedicarboxylic acid, lead(2+) salt, basic	90193-83-2	
	2-Butenedioic acid (E)-, lead(2+) salt, basic	90268-59-0	
	2-Butenedioic acid (Z)-, lead(2+) salt, basic	90268-66-9	
	Decanoic acid, branched, lead salts	90342-24-8	
	Dodecanoic acid, lead salt, basic	90342-56-6	
	Hexadecanoic acid, lead salt, basic	90388-09-3	
	Hexadecanoic acid, lead(2+) salt, basic	90388-10-6	
	9-Hexadecenoic acid, lead(2+) salt, (Z)-, basic	90388-15-1	
	Isodecanoic acid, lead salt, basic	90431-14-4	
	Isononanoic acid, lead salt, basic	90431-21-3	
	Isooctanoic acid, lead salt, basic	90431-26-8	
	Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes, overbased	90431-27-9	
	Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes	90431-28-0	
	Lead, 2-ethylhexanoate isodecanoate complexes, basic	90431-30-4	
	Lead, 2-ethylhexanoate isononanoate complexes, basic	90431-31-5	
	Lead, 2-ethylhexanoate isooctanoate complexes, basic	90431-32-6	
	Lead, 2-ethylhexanoate naphthenate complexes	90431-33-7	
	Lead, 2-ethylhexanoate naphthenate complexes, basic	90431-34-8	
	Lead, 2-ethylhexanoate neodecanoate complexes, basic	90431-35-9	
	Lead, isodecanoate isononanoate complexes, basic	90431-36-0	
	Lead, isodecanoate isooctanoate complexes, basic	90431-37-1	
	Lead, isodecanoate naphthenate complexes	90431-38-2	
	Lead, isodecanoate neodecanoate complexes, basic	90431-39-3	
	Lead, isononanoate naphthenate complexes, basic	90431-40-6	
	Lead, isononanoate neodecanoate complexes, basic	90431-41-7	
	Lead, isooctanoate naphthenate complexes, basic	90431-42-8	
	Lead, naphthenate neodecanoate complexes	90431-43-9	
	Lead, neononanoate neoundecanoate complexes, basic	90431-44-0	
	Neodecanoic acid, lead salt, basic	90459-25-9	
	Neononanoic acid, lead salt, basic	90459-26-0	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Neoundecanoic acid, lead salt, basic	90459-28-2	
	Octadecanoic acid, lead salt, basic	90459-51-1	
	Octadecanoic acid, lead(2+) salt, basic	90459-52-2	
	9-Octadecenoic acid (Z)-, lead salt, basic	90459-88-4	
	2-Propenoic acid, 2-methyl-, lead salt, basic	90552-19-5	
	Sulfuric acid, lead(2+) salt, basic	90583-07-6	
	Sulfurous acid, lead(2+) salt, basic	90583-37-2	
	Tetradecanoic acid, lead salt, basic	90583-65-6	
	Fatty acids, C6-19-branched, lead salts	91002-20-9	
	Fatty acids, C8-9, lead salts	91031-60-6	
	Fatty acids, C8-10, lead salts	91031-61-7	
	Fatty acids, C16-18, lead salts	91031-62-8	
	Leach residues, zinc ore, lead-contg.	91053-49-5	
	Naphthenic acids, lead (2+) salts	91078-81-8	
	Isodecanoic acid, lead(2+) salt, basic	91671-82-8	
	Isooctanoic acid, lead(2+) salt, basic	91671-83-9	
	Isoundecanoic acid, lead(2+) salt, basic	91671-84-0	
	Fatty acids, castor-oil, hydrogenated, lead salts	91697-36-8	
	Phosphorodithioic acid, mixed 0,0-bis(Bu and pentyl) esters, lead(2+) salt	91783-10-7	
	Fatty acids, coco, lead salts	92044-89-8	
	Naphthenic acids, lead salts, basic	92045-67-5	
	Lead, C4-10-fatty acid octanoate complexes	92200-92-5	
	Fatty acids, C14-26, lead salts	93165-26-5	
	Slags, lead-zinc smelting	93763-87-2	
	Flue gases, lead-zinc blast furnace	93821-47-7	
	Slimes and Sludges, lead-zinc blast furnace, offgas wet cleaning	93821-70-6	
	Speiss, lead-zinc	93821-72-8	
	Lead 3-(acetamido)phthalate	93839-98-6	
	Lead bis(2-ethylhexanoate)	93840-04-1	
	Lead(2+) 4,4'-isopropylidenebisphenolate	93858-23-2	
	Lead(2+) (Z)-hexadec-9-enoate	93858-24-3	
	Lead(2+) ethylphenyldithiocarbamate	93892-65-0	
	Lead(2+) neononanoate	93894-48-5	
	Lead(2+) neoundecanoate	93894-49-6	
	(neononanoato-0)(neoundecanoato-0)lead	93894-64-5	
	Phosphoric acid, mixed Bu and hexyl diesters, lead(2+) salts	93925-27-0	
	Lead, triphenyl(phenylthio)- (7CI)	15590-77-9	
	Plumbane, acetoxytripropyl-	13266-07-4	
	triethylplumbanecarbonitrile	13732-17-7	
	Lead hexafluoro-silicate	1310-03-8	
	Boric acid (HBO2), lead(2+) salt, monohydrate	10214-39-8	
	Lead picrate (dry)	25721-38-4	
	1,3-Benzenediol, 2-nitro-, lead salt, basic	68411-33-6	
	Calcines, lead-zinc ore conc.	94551-62-9	
	Fumes, lead	94551-66-3	
	Leach residues, copper-lead	94551-72-1	
	Matte, copper-lead	94551-74-3	
	Residues, lead smelting wastewater treatment	94551-78-7	
	Residues, lead-zinc smelting wastewater treatment	94551-79-8	
	Wastes, lead battery reprocessing	94551-99-2	
	Waste solids, lead silver anode	94552-05-3	
	Lead(2+) isohexadecanoate	95892-13-0	
	Slimes and Sludges, lead acetate manuf.	96690-46-9	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Ferrite substances, magnetoplumbite-type, barium-cobalt-titanium	97488-85-2	
	Magnetoplumbite, barium titanium zinc brown	97675-41-7	
	Lead, bullion	97808-88-3	
	Lead fluoride hydroxide	97889-90-2	
	7-methyloctanoic acid, lead salt	97952-39-1	
	Nitric acid, lead(2+) salt, reaction products with sodium tin oxide	97953-08-7	
	Matte, precious metal	98072-52-7	
	Slimes and Sludges, precious metal refining	98072-61-8	
	Speiss, lead, nickel-contg.	98246-91-4	
	Sulfuric acid, barium salt (1:1), lead-doped	99328-54-8	
	Perchloric acid, reaction products with lead oxide (PbO) and triethanolamine	99749-31-2	
	Silicic acid (H ₂ SiO ₃), calcium salt (1:1), lead and manganese-doped	100402-96-8	
	Lead, dross, vanadium-zinc-contg.	100656-49-3	
	Matte, copper-lead, tellurium-contg.	100656-53-9	
	Flue dust, copper-lead blast furnace, cadmium-indium-enriched	100656-55-1	
	Lead, isodecanoate naphthenate complexes, basic	101012-92-4	
	Lead, isooctanoate neodecanoate complexes	101013-06-3	
	Phosphoric acid, calcium salt (1:1), solid soln. with calcium chloride, calcium fluoride, calcium oxide, phosphorus oxide (P ₂ O ₅) and strontium oxide, lead and manganese-doped	102047-25-6	
	Barium oxide (BaO), solid soln. with calcium oxide, strontium oxide and tungsten oxide (WO ₃), lead-doped	102110-24-7	
	Boric acid (H ₃ BO ₃), solid soln. with barium oxide, calcium oxide and strontium oxide, lead and manganese-doped	102110-26-9	
	Silicic acid, calcium salt, lead and manganese-doped	102110-36-1	
	Lead ores, concs., leached	102110-48-5	
	Residues, copper-iron-lead-nickel matte, sulfuric acid-insol.	102110-49-6	
	Residues, precious metal refining cementation	102110-50-9	
	Slimes and Sludges, battery scrap, antimony- and lead-rich	102110-60-1	
	Slimes and Sludges, copper conc. roasting off gas scrubbing, lead-mercury-selenium-contg.	102110-61-2	
	Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg.	102110-62-3	
	Citric acid, lead salt	14450-60-3	
	Lead acrylate	14466-01-4	
	Lead bis(dipentylthiocarbamate)	36501-84-5	
	Dilead diruthenium hexaoxide	37194-88-0	
	Dilead dirhodium heptaoxide	37240-96-3	
	Lead isophthalate	38787-87-0	
	Lead chloride silicate	39390-00-6	
	Lead bis(2,4-dihydroxybenzoate)	41453-50-3	
	Lead bis(piperidine-1-carbodithioate)	41556-46-1	
	Lead propionate	42558-73-6	
	Sulphuric acid, barium lead salt	42579-89-5	
	Lead naphthenate	50825-29-1	
	3-(triphenylplumbyl)-1H-pyrazole	51105-45-4	
	Nitroresorcinol, lead salt	51317-24-9	
	Trinitrophenol, lead salt	51325-28-1	
	Acetic acid, lead salt, basic	51404-69-4	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Octadecanoic acid, lead(2+) salt, tribasic	52080-60-1	
	Sulfurous acid, lead salt, basic	52231-92-2	
	Lead methacrylate	52609-46-8	
	Sulfuric acid, lead salt, tetrabasic	52732-72-6	
	Lead bis(isononanoate)	52847-85-5	
	Phosphonic acid, lead salt, basic	53807-64-0	
	1,3,5-triazine-2,4,6(1H,3H,5H)-trione, lead salt	54554-36-8	
	Lead maleate	19136-34-6	
	Lead palmitate	19528-55-3	
	5,5,13,13-tetradecahydro-4,5-dihydro-4,8,10,15-tetranitro-7,11-metheno-11H,13H-tetrazolo[1,5-c][1,7,3,5,2,6]dioxadiazadiplobacloclodecine	19651-80-0	
	Lead hydroxide	19783-14-3	
	Phosphorodithioate 0,0-bis(1,3-dimethylbutyl), lead salt	20383-42-0	
	Myristic acid, lead salt	20403-41-2	
	Decanoic acid, lead salt	20403-42-3	
	Lead cyanamidate	20890-10-2	
	Lead 2,4-dihydroxybenzoate	20936-32-7	
	Lead silicate	22569-74-0	
	Disodium lead N,N'-ethylenebis[N-(carboxylatomethyl)aminoacetate]	22904-40-1	
	3,5,5-trimethylhexanoic acid, lead salt	23621-79-6	
	Lead carbonate	25510-11-6	
	Lead diiodate	25659-31-8	
	Lead hexafluorosilicate	25808-74-6	
	Thiosulphuric acid, lead salt	26265-65-6	
	Neodecanoic acid, lead salt	27253-28-7	
	Isononanoic acid, lead salt	27253-41-4	
	Lead(2+) sebacate	29473-77-6	
	Lead didocosanoate	29597-84-0	
	Lead dimyristate	32112-52-0	
	Lead dilinoleate	33627-12-2	
	Lead dibromate	34018-28-5	
	Lead(II) methylthiolate	35029-96-0	
	Lead cyanamide	35112-70-0	
	Orthoboric acid, lead(2+) salt	35498-15-8	
	Lead bis(3,5,5-trimethylhexanoate)	35837-70-8	
	[phthalato(2-)]dioxotrilead	69011-06-9	
	Trilead chromate silicate	69011-07-0	
	Lead alloy, base, dross	69011-59-2	
	Lead alloy, base, Pb, Sn, dross	69011-60-5	
	Flue dust, lead-tin alloy-manufg.	69012-60-8	
	Flue dust, zinc-refining	69012-63-1	
	Leach residues, zinc ore-calcine, zinc cobalt	69012-72-2	
	Lead, dross, antimony-rich	69029-45-4	
	Lead, dross, bismuth-rich	69029-46-5	
	Dore	69029-47-6	
	Lead, antimonial, dross	69029-51-2	
	Lead, dross	69029-52-3	
	Lead oxide (PbO), retort	69029-53-4	
	Slags, lead reverberatory smelting	69029-58-9	
	Zinc, desilverizing skims	69029-60-3	
	Bismuth, refinery lead chloride residues	69029-61-4	
	Flue dust, lead-refining	69029-67-0	
	Leach residues, lead slag	69029-71-6	
	Leach residues, precious metal recovery lead refining	69029-72-7	
	Calcines, lead ore conc.	69029-74-9	
	Residues, lead roaster	69029-78-3	
	Residues, lead smelting	69029-79-4	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Residues, precious metal recovery lead refining	69029-80-7	
	Slags, lead smelting	69029-84-1	
	Slags, precious metal recovery lead refining	69029-85-2	
	Slags, tellurium	69029-86-3	
	Slimes and Sludges, lead refining	69029-93-2	
	Lead, dross, copper-rich	69227-11-8	
	Lead, C6-19-branched carboxylate naphthenate complexes	70084-67-2	
	Lead(2+) nitroresorcinolate	70268-38-1	
	Lead, decanoate octanoate complexes	70321-55-0	
	Lead, alkyls, manufg. wastes	70513-89-2	
	Flue dust, lead blast furnace	70514-05-5	
	Slimes and Sludges, lead sinter dust scrubber	70514-37-3	
	Lead(2+) isooctadecanoate	70727-02-5	
	Lead(2+) neodecanoate	71684-29-2	
	Lead(II) fumarate	71686-03-8	
	Hydroxy(neodecanoato-0) lead	71753-04-3	
	Lead bis(nonylphenolate)	72586-00-6	
	Fatty acids, C9-11-branched, lead salts	81412-57-9	
	Lead, C5-23-branched carboxylate C4-10-fatty acid naphthenate complexes	83711-45-9	
	Lead, C5-23-branched carboxylate naphthenate complexes	83711-46-0	
	Lead, C5-23-branched carboxylate naphthenate octanoate complexes	83711-47-1	
	Lead, C5-23-branched carboxylate C4-10-fatty acid complexes	84066-98-8	
	Lead, C5-23-branched carboxylate octanoate complexes	84066-99-9	
	Lead, C4-10-fatty acid naphthenate complexes	84067-00-5	
	Matte, lead	84195-51-7	
	Slimes and Sludges, lead, electrolytic	84195-60-8	
	Speiss, lead	84195-61-9	
	Lead bis(p-octylphenolate)	84394-98-9	
	Fatty acids, C8-18 and C18-unsatd., lead salts	84776-36-3	
	Dioxobis(stearato)dilead	56189-09-4	
	[phthalato(2-)]oxodilead	57142-78-6	
	Lead bis(12-hydroxystearate)	58405-97-3	
	Lead 5-nitroterephthalate	60580-60-1	
	Naphthenic acids, lead manganese salts	61788-52-1	
	Fatty acids, tall-oil, lead manganese salts	61788-53-2	
	Fatty acids, tall-oil, lead salts	61788-54-3	
	Naphthenic acids, lead salts	61790-14-5	
	Sulfurous acid, lead salt, dibasic	62229-08-7	
	Bis(o-acetoxybenzoato)lead	62451-77-8	
	Lead bis(4-cyclohexylbutyrate)	62637-99-4	
	Lead(2+) heptadecanoate	63399-94-0	
	Lead bis(diisononylnaphthalenesulphonate)	63568-30-9	
	Isooctanoic acid, lead salt	64504-12-7	
	Lead dibutanolate	65119-94-0	
	Lead(2+) 4,6-dinitro-o-cresolate	65121-76-8	
	Lead 12-hydroxyoctadecanoate	65127-78-8	
	Bismuth lead ruthenium oxide	65229-22-3	
	Frits, chemicals	65997-18-4	
	Petrolatum (petroleum), oxidized, lead salt	67674-14-0	
	Dilead silicate sulphate	67711-86-8	
	Fatty acids, C12-18, lead salts	68131-60-2	
	Lead, 2-ethylhexanoate tall-oil fatty acids complexes	68187-37-1	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped	68332-81-0	
	Fatty acids, C8-10-branched, lead salts, basic	68409-79-0	
	Lead oxide (PbO), lead-contg.	68411-78-9	
	Oils, menhaden, lead salts	68424-76-0	
	Hexanoic acid, dimethyl-, lead(2+) salt, basic	68442-95-5	
	Hexanoic acid, 2-ethyl-, lead(2+) salt, basic	68515-76-4	
	Hexanoic acid, 3,5,5-trimethyl-, lead(2+) salt, basic	68515-77-5	
	Lead, isooctanoate naphthenate complexes	68515-80-0	
	Linseed oil, lead manganese salt	68553-17-3	
	Oils, fish, lead salts	68553-63-9	
	Spinels, boron calcium lead silicon white	68555-05-5	
	Spinels, lead silicon tin zinc white	68555-07-7	
	Zinc sulfide (ZnS), copper and lead-doped	68585-90-0	
	Lead(2+) dodecylphenolate	68586-21-0	
	Fatty acids, C6-19-branched, lead salts, basic	68603-83-8	
	Octanoic acid, branched, lead salts, basic	68604-56-8	
	Fatty acids, tallow, hydrogenated, lead salts	68605-98-1	
	Plumbane, ethyl methyl derivs.	68610-17-3	
	Tungstate (WO42-), calcium (1:1), (T-4)-, lead-doped	68784-53-2	
	Silicic acid (H6Si2O7), barium magnesium strontium salt, lead-doped	68784-74-7	
	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped	68784-75-8	
	Cadmium sulfide (CdS), copper and lead-doped	68891-87-2	
	(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	68901-11-1	
	α-d-Glucopyranose, 1-(dihydrogen phosphate), lead salt	68901-12-2	
	Acetic acid, reaction products with lead oxide (PbO), silica and sulfuric acid	68937-05-3	
	Lead bis(isoundecanoate)	93965-29-8	
	Lead bis(tricosanoate)	93966-37-1	
	Lead tetracosanoate	93966-38-2	
	Lead pentadecanoate	93966-74-6	
	Lead(II) isooctanoate	93981-67-0	
	Hexacosanoic acid, lead salt	94006-20-9	
	[μ-[[[5,5'-azobis[1H-tetrazolato]](2-)]]]dihydroxydilead	94015-57-3	
	barium calcium cesium lead samarium strontium bromide chloride fluoride iodide europium doped	199876-46-5	
	Lead C3-13-alkanecarboxylate naphthenate complexes	79803-79-5	
	Acetic acid, oleic acid, candelilla wax, tallow, calcium-lead complex salt	69103-03-3	
	lead(2+) phosphonate	13453-65-1	
	silicic acid, lead nickel salt	68130-19-8	
	Plumbane dichlorodiethyl-	13231-90-8	
	Triethyllead acetate	2587-81-7	
	Lead phthalocyanine	15187-16-3	
	2-hydroxypropane-1,2,3-tricarboxylate;lead(2+);trihydrate	6107-83-1	
	lead(II) perchlorate trihydrate	13453-62-8	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Lead, bis(2-hydroxybenzoato-01,02)-, monohydrate, (T-4)-	6107-93-3	
	Naphthalenesulfonic acid, dinonyl-, lead(2+) salt	61867-68-3	
	Plumbane, tetrakis(1-methylpropyl)-	65151-08-8	
	Resin acids and Rosin acids, calcium salts, polymers with lead resinsates and sapond. linseed oil	68139-27-5	
	Grounding oil	68152-99-8	
	2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, 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)	68155-47-5	
	Carboxylic acids, tall-oil, lead salts, basic	68603-93-0	
	Castor oil, dehydrated, polymer with rosin, calcium lead zinc salt	68604-05-7	
	Acetic acid, reaction products with capric acid, carpylic acid, coconut oil, and hydrogenated tallow fatty acids, calcium, lead salts	68784-59-8	
	Silicic acid (H4SiO4), magnesium manganese(2+) zinc salt, arsenic and lead-doped	68784-76-9	
	Gum rosin, litharge polymer	68952-91-0	
	Basic lead beta-resorcyate	68954-05-2	
	Gilsonite, polymer with cyclopentadiene, dicyclopentadiene and linseed oil, lead salts	68956-49-0	
	Gilsonite, linseed oil polymer, lead salt	68989-89-9	
	Linseed oil, polymer with tung oil, lead salt	68990-75-0	
	Antimonial lead	69029-50-1	
	Acetic acid, capric acid, caprylic acid, coconut oil, hydrogenated tallow fatty acids, calcium-lead complex salt	69103-04-4	
	Dehydrated castor oil fatty acids, glycerine, C36 fatty acid dimers, litharge polymer	70879-91-3	
	Silicic acid (H6Si2O7), barium zinc salt (1:1:2), lead-doped	71799-66-1	
	Octadecanoic acid, barium lead salt	73105-55-2	
	Carbamodithioic acid, phenylethyl-, lead salt	75790-73-7	
	Bismuth alloy, Bi 50, Pb 25, Cd 12, Sn 12 (L-pbbi50Sn12.5Cd12.5)	76093-98-6	
	Pigment Lightfast Lead-Molybdate Orange 0S (9CI)	78690-68-3	
	2-[carboxylatomethyl(carboxymethyl)amino] acetate;lead(2+)	79849-02-8	
	Lead (II) hydroxide salicylate	87903-39-7	
	Carbamodithioic acid, dipentyl-, lead(2+) salt	109707-90-6	
	Chromium lead molybdenum oxide sulfate, silica-modified	116565-73-2	
	Chromium lead oxide sulfate, silica-modified	116565-74-3	
	Phenol, tetrapropylene-, lead(2+) salt	122332-23-4	
	Lead oxide sulfate (Pb4O3(SO4)), monohydrate	12397-06-7	
	Fatty acids, C4-20-branched, lead salts	125328-49-6	
	Lead, C9-28-neocarboxylate 2-ethylhexanoate complexes, basic	125494-56-6	
	Ferrate (2-), [N,N-bis[2-(bis(carboxymethyl)amino)ethyl]glycinato (5-)]-, disodium	12565-18-3	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Chromic acid lead salt with lead molybdate	12709-98-7	
	Ethanedioic acid, lead(2+) salt (1:1), trihydrate	128226-81-3	
	Lead hydroxide oxide (Pb ₂ (OH) ₂ O)	1311-11-1	
	Carbonic acid, lead salt	13427-42-4	
	Lead hydroxide oxide phosphite (Pb ₃ (OH)O(P ₃)), hydrate (2:1)	1344-40-7	
	Chloric acid, lead(2+) salt, monohydrate	13510-96-8	
	Chromic acid (H ₂ CrO ₄), lead(2+) potassium salt (2:1:2)	13845-31-3	
	Plumbane, tetrakis(1-methylethyl)-	14846-40-3	
	Lead and Lead compounds (as Pb)	14931-82-9	
	Acetic acid, lead(2+) salt, monohydrate	15773-48-5	
	Phosphoric acid, lead salt	16040-38-3	
	Phosphoric acid, lead(2+) salt (2:1)	16180-04-4	
	198Pb	16646-00-7	
	1,2-Benzenedicarboxylic acid, lead(2+) salt	18608-34-9	
	Acetic acid, lead(2+) salt, dihydrate	22723-52-0	
	Phosphonic acid, lead(2+) salt	24824-71-3	
	Lead, tetrapropyl-	3440-75-3	
	Sulfuric acid, lead(2+) lead(4+) salt (3:1:1)	35830-81-0	
	LEAD HYDROXIDE	39345-91-0	
	Tin alloy	39412-44-7	
	Lead chromate sulfate (Pb ₉ (CrO ₄) ₅ (SO ₄) ₄)	51899-02-6	
	Chromic acid (H ₂ CrO ₄), lead(2+) sodium salt (2:1:2)	93215-61-3	
	Lead, di-μ-hydroxy(2-methyl-4,6-dinitrophenolato-kappa0)(nitratokappa0)di-	96471-22-6	
	Lanthanum lead titanium zirconium oxide	1227908-26-0	
	Lead, bis[bis(1-methylethyl)carbamodithioato-S,S']-, (T-4)-	30051-53-7	
	Lead, bis[bis(2-methylpropyl)carbamodithioato-S,S']-, (T-4)-	69090-73-9	
	Lead, bis(dipropylcarbamodithioato-S,S')-, (T-4)-	70995-63-0	
	Lead sulfite	25666-92-6	
	Hexafluorosilicate(2-), lead(2+) (1:1), tetrahydrate	83689-82-1	
	Lead dichlorite	13453-57-1	
	Lead chloride (PbCl ₂)	13931-84-5	
	Dilead dioxide	35229-41-5	
	Plumbane, tributylchloro-	13302-14-2	
	Plumbane, chlorotripropyl-	1520-71-4	
	Lead, diacetoxidiethyl- (7CI)	15773-47-4	
	Plumbane, (4-bromobutyl)triphenyl-	16035-34-0	
	Plumbane, (4-azidobutyl)triphenyl-	16035-39-5	
	1H-Imidazole, 1-(tributylplumbyl)-	16128-42-0	
	Plumbane, bis(acetyloxy)dibutyl-	2587-84-0	
	Plumbane, tris(acetyloxy)phenyl-	3076-54-8	
	Plumbane, triethyl[[[4-methylphenyl)sulfonyl]oxy]-	43135-86-0	
	9H-Carbazole, 9-(triphenylplumbyl)-	56240-91-6	
	1H-Indole, 1-(triphenylplumbyl)-	56240-92-7	
	1H-Pyrrole, 1-(triphenylplumbyl)-	56240-93-8	
	Lead, triethyl-, oleate	63916-98-3	
	1H-Isoindole-1,3(2H)-dione, 4,5,6,7-tetrachloro-2-(triethylplumbyl)-	73928-23-1	
	1H-1,2,3-Triazole-5-methanol, .alpha.,.alpha.-dimethyl-1-[4-(triphenylplumbyl)butyl]-	73826-06-9	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Plumbane, [(4-aminobenzoyl)oxy]triethyl-	73928-17-3	
	Chromic acid (H ₂ CrO ₄), lead(2+) salt	15804-54-3	
	Plumbylrium, trimethyl-	14570-16-2	
	Diethyllead	24952-65-6	
	Acetoxytrimethylplumbane	5711-19-3	
	Lead dipicrate	6477-64-1	
	Lead phthalate	6838-85-3	
	Diacetoxydiphenylplumbane	6928-68-3	
	Formic acid, lead salt	7056-83-9	
	Lead(2+) octanoate	7319-86-0	
	Stearic acid, lead salt	7428-48-0	
	Lead sulphite	7446-10-8	
	Lead sulphate PbSO ₄	7446-14-2	
	Lead selenate	7446-15-3	
	Trilead bis(orthophosphate)	7446-27-7	
	Lead(2+) selenite	7488-51-9	
	Lead(4+) stearate	7717-46-6	
	Lead dichloride	7758-95-4	
	Lead chromate	7758-97-6	
	Lead tungsten tetraoxide	7759-01-5	
	Lead difluoride	7783-46-2	
	Lead(IV) fluoride	7783-59-7	
	Lead hydrogen arsenate	7784-40-9	
	Lead metaborate	14720-53-7	
	Lead 2,4,6-trinitro-m-phenylene dioxide	15245-44-0	
	Bis(pentane-2,4-dionato-0,0')lead	15282-88-9	
	Lauric acid, lead salt	15306-30-6	
	Lead oleate	15347-55-4	
	Lead acetate	15347-57-6	
	Octanoic acid, lead salt	15696-43-2	
	Sulphuric acid, lead salt Pb _x SO ₄	15739-80-7	
	Lead disalicylate	15748-73-9	
	Lead(2+) decanoate	15773-52-1	
	Lead dihexanoate	15773-53-2	
	Lead dilaurate	15773-55-4	
	Lead dipalmitate	15773-56-5	
	Lead hydrogenorthophosphate	15845-52-0	
	Lead(2+) tellurium trioxide	15851-47-5	
	Lead silicate	15906-71-5	
	Lead benzoate	15907-04-7	
	Lead phosphite	16038-76-9	
	Lead phthalate	16183-12-3	
	Diantimony lead tetroxide	16450-50-3	
	2-ethylhexanoic acid, lead salt	16996-40-0	
	(9Z,12Z)-octadeca-9,12-dienoic acid, lead salt	16996-51-3	
	Lead(II) maleate	17406-54-1	
	Bis(diethyldithiocarbamate-S,S')lead	17549-30-3	
	Cyclo-di-μ-oxo(μ-phthalato)trilead	17976-43-1	
	Dilead chromate oxide	18454-12-1	
	Lead dilactate	18917-82-3	
	Lead bis(dimethyldithiocarbamate)	19010-66-3	
	Dilead chromate dihydroxide	12017-86-6	
	Dodecairon lead nonadecaoxide	12023-90-4	
	Hafnium lead trioxide	12029-23-1	
	Lead disodium dioxide	12034-30-9	
	Lead diniobium hexaoxide	12034-88-7	
	Lead tin trioxide	12036-31-6	
	Lead oxide sulfate	12036-76-9	
	Bismuth, compound with lead (1:1)	12048-28-1	
	Dilead oxide	12059-89-1	
	Lead titanium trioxide	12060-00-3	
	Lead zirconium trioxide	12060-01-4	
	Lead ditantalum hexaoxide	12065-68-8	
	Pentalead tetraoxide sulphate	12065-90-6	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Lead selenide	12069-00-0	
	Lead disulphide	12137-74-5	
	Trilead dioxide phosphonate	12141-20-7	
	Tetralead trioxide sulphate	12202-17-4	
	Lead chloride oxide	12205-72-0	
	Antimony, compound with lead (1:1)	12266-38-5	
	Lead hydroxide nitrate	12268-84-7	
	(maleato)trioxotetralead	12275-07-9	
	Potassium pentadecaoxidoplumbatepentaniobate(1-)	12372-45-1	
	Dihydroxy[styphnato(2-)]dilead	12403-82-6	
	Lead germanate	12435-47-1	
	Dioxobis(stearato)trilead	12578-12-0	
	Lead titanium zirconium oxide	12626-81-2	
	Lead chromate molybdate sulfate red	12656-85-8	
	Lead tungsten oxide	12737-98-3	
	Lead oxide sulfate	12765-51-4	
	Lead(2+) (R)-12-hydroxyoleate	13094-04-7	
	Lead(2+) 2,4-dinitroresorcinolate	13406-89-8	
	Lead diazide	13424-46-9	
	Dilead pyrophosphate	13453-66-2	
	Lead thiosulphate	13478-50-7	
	Diantimony trilead octaoxide	13510-89-9	
	Lead diperchlorate	13637-76-8	
	Lead fumarate	13698-55-0	
	Lead disulphamidate	13767-78-7	
	Lead bis(tetrafluoroborate)	13814-96-5	
	Lead nitrite	13826-65-8	
	Lead(2+) tellurium tetraoxide	13845-35-7	
16	无机铵盐	2018年7月14日起，纤维素隔热材料的无机氨在规定的试验条件下，若释放浓度在2.12mg/m ³ 以上，则纤维素隔热材料禁止上市或使用。	65
	示例物质	CAS No.	
	Triammonium iron(3+) trioxalate	2944-67-4	
	Diammonium tetracyanoplatinate	562-79-8	
	Ammonium potassium tartrate	1114-14-3	
	Ammonium iron(III) citrate	1185-57-5	
	Diammonium iron bis(sulphate)	10045-89-3	
	Ammonium iron phosphate	10101-60-7	
	Ammonium iron bis(sulphate)	10138-04-2	
	Diammonium dioxalato(oxo)titanate	10580-02-6	
	Ammonium wolframate	11120-25-5	
	Diammonium tetraborate	12007-58-8	
	Ammonium chromic sulfate dodecahydrate	10022-47-6	
	Nickel ammonium sulfate hexahydrate	7785-20-8	
	Ammonium pentafluorozirconate(1-)	13859-62-6	
	Ammonium sodium sulphate	13863-45-1	
	Triammonium trioxalatoferrate	14221-47-7	
	Triammonium hexacyanoferrate	14221-48-8	
	Chromic acid, ammonium salt	14445-91-1	
	Tetraammonium hexacyanoferrate	14481-29-9	
	Triammonium triiron tetracitrate	52336-55-7	
	Diammonium hexachloropalladate	19168-23-1	
	Diammonium hexakis(thiocyanato)platinate	19372-45-3	
	Diammonium oxobis[sulphato(2-)-O]titanate(2-)	19468-86-1	
	Sulphuric acid, ammonium magnesium salt	20861-69-2	
	Ammonium samarium(3+) disulphate	21995-29-9	
	Ammonium europium(3+) disulphate	21995-30-2	
	Ammonium gadolinium(3+) disulphate	21995-31-3	
	Ammonium lanthanum(3+) disulphate	21995-32-4	
	Ammonium praseodymium(3+) disulphate	21995-33-5	
	Ammonium neodymium(3+) disulphate	21995-34-6	
	Ammonium iron tetrachloride	24411-12-9	
	Diammonium hexabromoosmate(2-)	24598-62-7	
	Ammonium nickel trichloride	24640-21-9	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Acetic acid, ammonium zinc salt	24846-92-2	
	Diammonium aquapentachlororuthenate	25461-53-4	
	Ammonium bismuth citrate	25530-63-6	
	Triammonium diaquaooctachloro-μ-nitridodiruthenate(3-)	27316-90-1	
	Ammonium bis(cyano-C)aurate	31096-40-9	
	Ammonium tetrachloroaurate	31113-23-2	
	Citric acid, ammonium bismuth salt	31886-41-6	
	Triammonium tris[carbonato(2-)-O]hydroxyzirconate(3-)	32535-84-5	
	Ethanedioic acid, ammonium iron(3+) salt (3:3:1), trihydrate	13268-42-3	
	Sulfuric acid, ammonium iron(3+) salt (2:1:1), dodecahydrate	7783-83-7	
	Titanate(2-), bis[ethanedioato(2-)-O, O']oxo-, diammonium, monohydrate, (SP-5-21)-	10580-03-7	
	Vanadate(3-), hexafluoro-, triammonium salt	13815-31-1	
	Ammonium tetrathiotungstate [(NH ₄) ₂ WS ₄]	13862-78-7	
	Sulfuric acid, ammonium sodium salt, dihydrate	7783-10-0	
	Sulfuric acid, ammonium magnesium salt (2:2:1), hexahydrate	7785-18-4	
	Ammonium lanthanum nitrate	10169-00-3	
	Aluminate(2-), difluoro[phosphato(3-)-κO]-, ammonium hydrogen (1:1:1)	11095-65-1	
	Cryptohalite	1309-32-6	
	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, ammonium iron salt, hydrate	1332-98-5	
	Phosphoric acid, ammonium cadmium salt (1:1:1)	14520-70-8	
	Selenious acid, ammonium salt (2:1)	25425-97-2	
	Sulfuric acid, ammonium magnesium salt (3:2:2)	27733-50-2	
	azanium;lanthanum(3+);tetraniatrate	31178-09-3	
	Ammonium cerous sulfate tetrahydrate	10049-02-2	
	Chromate(1-), bis(benzenamine) tetrakis(thiocyanato-N)-, ammonium (9CI)	10380-20-8	
	Ammonium phosphotungstenate, trihydrate	12704-02-8	
	Ammonium 12-tungstophosphate	1311-90-6	
	Cobalt ammonium complex	14695-95-5	
	Nitric acid, ammonium cerium(3+) salt (5:2:1)	15318-60-2	
	Tungstate(2-), dioxodithioxo-, diammonium (9CI)	16150-61-1	
	Triammonium uranyl pentafluoride	12062-03-2	
	Ferrate(2-), [N,N-bis[2-[bis(carboxymethyl)amino]ethyl]glycinato(3-)]-, ammonium hydrogen	19529-40-9	
	Carbonic acid, ammoniumplutonium salt (8CI)	24917-46-2	
	Uranic acid, diammonium salt, hydrate	28347-83-3	
	Molybdate(2-), tetrafluorodioxo-, diammonium (8CI,9CI)	30291-63-5	
	Ammonium Tetrachloroaluminate, NH ₄ AlCl ₄	7784-14-7	
	Ammonium ferric chromate	7789-08-4	
	Ammonium bismuth(3+) 2-hydroxypropane-1,2,3-tricarboxylate(2:1:1)	6591-52-2	
	Tetraammonium cerium tetrakis(sulphate)	7637-03-8	
	Ammonium selenite	7783-19-9	
	Ammonium selenate	7783-21-3	
	Diammonium diuranium heptaoxide	7783-22-4	
	Triammonium hexafluoroaluminate	7784-19-2	
	Aluminium ammonium bis(sulphate)	7784-25-0	
	Diammonium hydrogenarsenate	7784-44-3	
	Ammonium chromate	7788-98-9	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Ammonium dichromate	7789-09-5	
	Ammonium trioxovanadate	7803-55-6	
	Ammonium cobalt phosphate	14590-13-7	
	Ammonium iron tartrate	14635-18-8	
	Diammonium cerium(4+) trisulphate	14638-69-8	
	Diammonium tetrachlorozincate(2-)	14639-97-5	
	Triammonium pentachlorozincate(3-)	14639-98-6	
	Diammonium magnesium bis(sulphate)	14727-95-8	
	Beryllium diammonium tetrafluoride	14874-86-3	
	Ammonium scandium(3+) disulphate	15091-94-8	
	Nitric acid, ammonium calcium salt	15245-12-2	
	Ammonium trifluorohydroxyborate(1-)	15283-48-4	
	Triammonium hexachlororhodate	15336-18-2	
	Diammonium yttrium pentanitrates	15552-06-4	
	Ammonium manganese phosphate	15609-81-1	
	Diammonium neodymium pentanitrates	15653-40-4	
	Diammonium tetrabromopalladate(2-)	15661-00-4	
	Diammonium nickel bis(sulphate)	15699-18-0	
	Triammonium hexachloroiridate	15752-05-3	
	Ammonium hexafluorosilicate	16919-19-0	
	Ammonium hexafluorozirconate	16919-31-6	
	Diammonium hexachloroplatinate	16919-58-7	
	Diammonium hexachlorostannate	16960-53-5	
	Ammonium hexafluorotitanate	16962-40-6	
	Ammonium hexafluorogermanate(4)	16962-47-3	
	Triammonium heptafluorozirconate(3-)	17250-81-6	
	Ammonium hexabromoplatinate	17363-02-9	
	Tetraammonium uranyl tricarbonates, of uranium depleted in uranium-235	18077-77-5	
	Citric acid, ammonium nickel salt	18283-82-4	
	Diammonium hexachlororuthenate	18746-63-9	
	Hexaammonium heptamolybdate	12027-67-7	
	Ammonium wolframate	12028-06-7	
	Tetramanganese nitride	12033-07-7	
	Diammonium hexachlororhenate	12051-87-5	
	Tetraammonium disodium vanadate	12055-09-3	
	Diammonium hexachloroosmate	12125-08-5	
	Ammonium trivanadium octaoxide	12207-63-5	
	Diammonium tetratungsten tridecaoxide	12398-61-7	
	Tetraammonium hexamolybdate	12411-64-2	
	Ammonium molybdate(VI)	13106-76-8	
	Diammonium tetraoxotellurate	13453-06-0	
	Ammonium dihydrogenarsenate	13462-93-6	
	Ammonium chromium bis(sulphate)	13548-43-1	
	Diammonium lanthanum pentanitrates	13566-21-7	
	Diammonium manganese bis(sulphate)	13566-22-8	
	Ammonium diamminetetrakis(thiocyanato-N)chromate(1-)	13573-16-5	
	Diammonium copper(2+) disulphate	13587-25-2	
	Diammonium cobalt bis(sulphate)	13596-46-8	
	Ammonium perrhenate	13598-65-7	
	Diammonium gadolinium pentanitrates	13628-49-4	
	Ammonium calcium trinitrate	13780-11-5	
	Diammonium zinc disulphate	13814-87-4	
	Diammonium tetrachloropalladate	13820-40-1	
	Diammonium tetrachloroplatinate	13820-41-2	
	Diammonium pentachloronitrosylruthenate	13820-58-1	
	Bis(acetato-O)diamminecopper	13822-80-5	
	Ammonium tetrafluoroborate	13826-83-0	
	Sulphuric acid, ammonium cerium salt	13840-04-5	
17	甲醇 CAS No. 67-56-1	2019年5月9日起，一般情况下，含有该物质且浓度在重量百分比0.6%以上的挡风玻璃清洗剂或除霜液禁止上市。	69

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
18	列於REACH法規附錄1212表中第一欄的物質	1. 2020年11月1日起，下列形式之成品若為消費者使用，且該物質之濃度，在同質材料中大於或等於附錄12表中規定之濃度，不得置於市場 (a) 衣物及相關配件。 (b) 其在正常或合理預期使用情形下與人體皮膚接觸的程度與衣物相似之非衣物紡織品。 (c) 足部穿著 (footwear)；如果该服装、相关配件、除服装以外的纺织品或鞋类供消费者使用，且该物质在均质材料中的浓度等于或高于附录12中规定的该物质的浓度。 2. 作為上述第1項之例外：甲醛在夾克、大衣或襯飾 (upholstery) 中，與第1項的目的相關之濃度限制，在2020年11月1日至2023年11月1日間為300 mg/kg。2023年後起，則開始適用附錄12所列的濃度 3. 上述第1項不適用於 (a) 整體或部分之衣物、相關配件或足部穿著，僅由天然皮革、毛皮或生皮製成者。 (b) 非紡織品之扣件 (fasteners) 及裝飾用附件。 (c) 二手之衣物、相關配件、非衣物之紡織品或足部穿著。 (d) 滿鋪地毯 (wall-to-wall carpets)，及室內使用之地板覆蓋紡織品、地毯及長條地毯。 4. 第1項不適用於歐洲議會和理事會第2016/425號條例 (*) 或第2017/745號條例 (**) 範圍內的服裝、相關配飾、服裝以外的紡織品或鞋類。 5. 第1(b)項不適用於拋棄式 (disposable) 紡織品。「拋棄式紡織品」指設計為只使用一次或有限的次數，且不預期後續會使用在相同或相似的用途目的。 6. 第1項及第2項適用於本限制清單 (REACH附件17) 中、或其他適用之歐盟規定中更嚴格之限制規則。 7. 歐盟執委會應審查第3(d)項之排除情形，並依適當情況調整。 (*) 歐洲議會和理事會2016年3月9日關於個人防護裝備並廢除理事會指令89/686/EEC的第(EU) 2016/425號條例 (OJ L 81, 2016年3月31日, 第51頁)。 (**) 歐洲議會和理事會2017年4月5日關於醫療器械並修訂指令2001/83/EC、第(EC) 178/2002號條例和第(EC) 1223/2009號條例並廢除理事會指令90/385/EEC和93/42/EEC的第(EU) 2017/745號條例 (OJ L 117, 2017年5月5日, 第1頁)。	72
	附錄12表格第1欄所列物質 鎘及其化合物 (見附件十七第28、29、30項及附錄1-6) 六價鉻化合物 (見附件十七第28、29、30項及附錄1-6) 砷化合物 (見附件十七第28、29、30項及附錄1-6) 鉛及其化合物 (見附件十七第28、29、30項及附錄1-6) Benzene Benz[a]anthracene Benz[e]acephenanthrylene benzo[a]pyrene; benzo[def] chrysene Benzo[e]pyrene Benzo[j]fluoranthene Benzo[k]fluoranthene Chrysene Dibenz[a,h]anthracene α, α, α, 4-tetrachlorotoluene; p-chlorobenzotrichloride α, α, α-trichlorotoluene; benzo-trichloride α-chlorotoluene; benzyl chloride Formaldehyde 1,2-benzenedicarboxylic acid; di- C 6-8-branched alkylesters, C 7- rich Bis(2-methoxyethyl) phthalate	CAS No. / 重量濃度限值 — / 提取後1 mg/kg (以可從材料中提取的鎘金屬量表示) — / 提取後1 mg/kg (以可從材料中提取的六價鉻表示) — / 提取後1 mg/kg (以可從材料中提取的砷金屬量表示) — / 提取後1 mg/kg (以可從材料中提取的鉛金屬量表示) 71-43-2 / 5 mg / kg 56-55-3 / 1 mg/kg 205-99-2 / 1 mg/kg 50-32-8 / 1 mg/kg 192-97-2 / 1 mg/kg 205-82-3 / 1 mg/kg 207-08-9 / 1 mg/kg 218-01-9 / 1 mg/kg 53-70-3 / 1 mg/kg 5216-25-1 / 1 mg/kg 72508 / 1 mg/kg 100-44-7 / 1 mg/kg 50-00-0 / 75 mg / kg — / 1000 mg/kg (單獨或與本條目或附件十七其他條目中的其他鄰苯二甲酸酯組合，且這些鄰苯二甲酸酯在(EC) No 1272/2008號法規附件六第3部分中被歸類為致癌性、生殖細胞致突變性或生殖毒性，類別1A或1B) — / 1000 mg/kg (單獨或與本條目或附件十七其他條目中的其他鄰苯二甲酸酯組合，且這些鄰苯二甲酸酯在(EC) No 1272/2008號法規附件六第3部分中被歸類為致癌性、生殖細胞致突變性或生殖毒性，類別1A或1B)	

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
	Diisopentylphthalate	— / 1000 mg/kg (单独或与本条目或附件十七其他条目中的其他邻苯二甲酸酯组合，且这些邻苯二甲酸酯在(EC) No 1272/2008号法规附件六第3部分中被归类为致癌性、生殖细胞致突变性或生殖毒性，类别1A或1B) 根据 (EC) No 1272/2008 号法规附件六第 3 部分，属于致癌性、生殖细胞致突变性或生殖毒性 (1A 或 1B 类) 危害类别。	
	Di-n-pentyl phthalate (DPP)	— / 1000 mg/kg (单独或与本条目或附件十七其他条目中根据 (EC) No 1272/2008 号法规附件六第 3 部分分类为致癌性、生殖细胞致突变性或生殖毒性 (1A 或 1B 类) 危害类别的其他邻苯二甲酸酯组合使用)	
	Di-n-hexyl phthalate (DnHP)	— / 1000 mg/kg (单独或与本条目或附件十七其他条目中根据 (EC) No 1272/2008 号法规附件六第 3 部分分类为致癌性、生殖细胞致突变性或生殖毒性 (1A 或 1B 类) 危害类别的其他邻苯二甲酸酯组合使用) 致癌性、生殖细胞致突变性或生殖毒性，1A 类或 1B 类	
	N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone (NMP)	872-50-4 / 3 000 mg/kg	
	N,N-dimethylacetamide (DMAC)	127-19-5 / 3 000 mg/kg	
	N,N-dimethylformamide; dimethyl formamide (DMF)	61699 / 3 000 mg/kg	
	1,4,5,8-tetraaminoanthraquinone; C.I. Disperse Blue 1	2475-45-8 / 50 mg / kg	
	Benzenamine, 4,4'-(4-imino- cyclohexa-2,5-dienyliden- emethylene)dianiline hydro- chloride; C.I. Basic Red 9	569-61-9 / 50 mg / kg	
	[4-[4,4' -bis(dimethylamino)benz-hydrylidene]cyclohex a-2,5-dien- 1-ylidene]dimethylammonium chloride; C.I. Basic Violet 3 with >= 0,1 % of Michler's ketone (EC no. 202-027-5)	548-62-9 / 50 mg / kg	
	4-chloro-o-toluidinium chloride	3165-93-3 / 30 mg / kg	
	2-Naphthylammoniumacetate	553-00-4 / 30 mg / kg	
	4-methoxy-m-phenylene diam- monium sulphate; 2,4-diami- noanisole sulphate	39156-41-7 / 30 mg / kg	
	2,4,5-trimethylaniline hydro- chloride	21436-97-5 / 30 mg / kg	
	Quinoline	91-22-5 / 50 mg / kg	
19	甲醛 和甲醛释放物质 (CAS No. 50-00-0)	1. 在2026年8月6日之后，如果在附录14规定的测试条件下，物品释放的甲醛(FA)浓度超过以下值，则不得投放市场 (a) 家具和木制物品：0.062 mg/m³ (b) 家具和人造板以外的其他物品：0.080 mg/m³ 第一段不适用于 (a) 甲醛或甲醛释放物质完全天然存在于制造物品的材料中的物品 (b) 在可预见的条件下专门用于室外的物品 (c) 仅在建筑外壳和防潮层外使用且不会向室内空气释放甲醛的建筑物品 (d) 用于工业或专业用途的模塑制品，在可预见的应用中不会因释放FA而暴露于公众 (e) 适用第 72 条规定限制的物品 (f) 属于欧洲议会和理事会(EU) 528/2012 号条例范围内的生物杀灭产品的物品 (g) (EU) 2017/745 号条例范围内的设备 (h) (EU) 2016/425 号条例范围内的个人防护设备 (i) (EC) 1935/2004 号条例范围内打算直接或间接与食品接触的物品 (j) 二手物品 2. 2027年8月6日之后，如果在附录14规定的测试条件下，道路车辆内部的甲醛浓度超过0,062mg/m³，则不得将这些车辆投放市场。 第一段不适用于： (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导致公众在可预见的使用条件下接触到甲醛 (b) 二手车辆	77

表2：限制物质
 以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
20	合成高分子微塑料	1. 合成聚合物微塑料和含有0.01重量%或更多重量的合成聚合物微塑料以赋予性能的混合物不应出售。 2. 为本条之目的，适用下列定义： (a) “微粒”是除单个分子以外的具有确定物理边界的物质（matter）的微小碎片（minute piece） (b) “固体”指液体或气体以外的物质或混合物 (c) “气体”系指在 50℃时蒸汽压大于 300 kPa（绝对值），或在 20℃时标准压力为 101.3 kPa 时为完全气态的物质或混合物 (d) “液体”系指符合下列任何条件的物质或混合物： (i) 物质或混合物在 50℃时蒸汽压不超过 300 千帕，在 20℃和 101.3 千帕标准压力下不完全气化，在 101.3 千帕标准压力下熔点或初始熔点不超过 20℃ (ii) 物质或混合物符合美国材料试验学会（ASTM）D 4359-90 《确定材料是液体还是固体的标准试验方法》的标准 (iii) 物质或混合物通过 1957 年 9 月 30 日在日内瓦缔结的《欧洲国际道路运输 危险货物协定》附件 A 第 2 部分第 2.3.4 章所述的流动性试验（透 度计试验） (e) “化妆产品”系指任何旨在与人体特定外部部位（即表皮、眼眉和睫毛毛）接触的物质或混合物，其唯一或主要目的是改变这些部位的外观 3. 如本条所涵盖的合成聚合物微粒的浓度无法通过现有分析方法或随附文件确定，为核实是否符合第 1 项所述浓度限值，仅应考虑至少以下尺寸的微粒 (a) 所有尺寸均等于或小于 5 mm的颗粒，任何尺寸均为 0.1 μm (b) 长度等于或小于 15 mm且长径比大于 3 的颗粒，长度为 0.3 μm 4. 第 1 项不适用于下列物品的市场投放： (a) 用于工业现场的合成聚合物微粒，作为其本身或混合物的物质 (b) 2001/83/EC 号指令范围内的医药产品和欧洲议会及理事会(EU)2019/6 号条例范围内的兽药产品 (c) 欧洲议会和理事会(EU) 2019/1009 号条例范围内的欧盟肥料产品 (d) 欧洲议会和理事会(EC)第 1333/2008 号条例范围内的食品添加剂 (e) 体外诊断设备，包括欧洲议会和理事会(EU)2017/746 号条例范围内的设备 (f) 本项(d)点未涵盖的(EC)No 178/2002条例第2条意义上的食品，以及该条例第3(4)条定义的饲料 5. 第 1 项不适用于下列合成聚合物微粒本身或其混合物投放市场： (a) 当根据说明书在预期最终用途中使用，其通过技术手段密封以防止释放到环境中的“合成聚合物微塑料”。 (b) 其物理性质在预定最终用途期间发生永久性改变，使该聚 合物不再属于本条范围的合成聚合物微粒 (c) 在预定最终用途期间永久性地融入固体基质的合成聚合物微粒 6. 第 1 项适用于下列用途： (a) 自 2029 年 10 月 17 日起，用于封装香料的合成聚合物微粒 (b) 自 2027 年 10 月 17 日起，适用于(EC)第 1223/2009 号条例附件二至附件六序言第 (1) (a)点所定义的“冲洗产品”，除非此类产品属于本段 (a)点所涵盖的范围，或含 有用作研磨剂的合成聚合物微粒，即用于去角质、抛光或清洁（“微珠”） (c) 自 2035 年 10 月 17 日起，适用于(EC)No 1223/2009 号法规附件 II 至 VI 序言第(1) (e)点所定义的唇部产品、该法规附件 II 至 VI 序言第(1) (g)点所定义的指甲产品，以及该法规范围内的化妆产品，但本分段 (a)或(b)点所涵盖的产品或含有微珠的产品除外 (d) 自 2029 年 10 月 17 日起，适用于(EC)第 1223/2009 号法规附件 II 至 VI 序言第(1) (b)点所定义的免洗产品，但本项(a)或(c)点涵盖的产 (e) 自 2028 年 10 月 17 日起，适用于(EC) No 648/2004 号条例第 2(1)条定义的洗涤剂、蜡、上光剂和空气护理产品，除非这些产品属于本项 (a)点涵盖范围或含有微珠 (f) 自 2029 年 10 月 17 日起，欧洲议会和欧盟理事会(EU)2017/745 号条例范围内的 “设备 (g) 自2028年10月17日起，适用于(EU)2019/1009号条例第2条第(1)项定义的“肥料产品”，但不属于该条例的范围 (h) 自 2031 年 10 月 17 日起，适用于欧洲议会和欧盟理事会(EU)1107/2009 号条例第 2 条第(1)项定义的植物保护产品和用这些产品处理过的种子，以及欧洲议会和欧盟理事会第 528/2012 号条例第 3 条第(1)项第(a)点定义的生物杀灭剂产品 (i) 自 2028 年 10 月 17 日起，适用于(g)或(h)点未涵盖的农业和园艺用途产品 (j) 自 2031 年 10 月 17 日起，用于合成运动表面的颗粒填充物	78

表2：限制物质
以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
		7. 从2025年10月17日起，第4项(a)分段所述合成聚合物微粒的供应商应提供下列资料： (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向环境释放 (b) 以下声明： “The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council” （“所提供的合成聚合物微粒受欧洲议会和理事会(EC)1907/2006 号条例附件 XVII 第 78 条所规定条件的限制”） (c) 物质或混合物中合成聚合物微粒的数量或（如适用）浓度信息 (d) 关于物质或混合物所含聚合物特性的通用信息，使制造商、工业下游用户和其他供 应商能够遵守第 11项 和 12项规定的义务 8. 从 2026 年 10 月 17 日起，含有第 4 项(e)分段所述合成聚合物微粒的产品的 供应 商，以及从 2025 年 10 月 17 日起，含有第 4 项(d)分段和第 5 项所述合成聚合物微粒 的产品的供应商，应提供使用和处置说明，向专业用户和公众解释如何防止合成聚 合物微粒排放到环境中。 9. 从2031年10月17日至2035年10月16日，第6项(c)分段所述含有合成聚合物微粒 的产品供应商应提供以下声明：“This product contains microplastics.” “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，在 2031 年 12 月 17 日之前无须标明该声明。 10. 第7、第8和第9项中提到的信息应以清晰可见、可辨认和不可擦除的文字形式提供，或酌情以象形图的形式提供第7和第8项中的信息。文字或象形图应置于含有合成聚合物微粒的产品的标签、包装或小册子上，或就第 7 项中的信息而言，置于安全数据表上。除文字或图示外，供应商还可提供数字工具，以获取电子版信息。 如果根据第 7、8 和 9 项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所在成员国的官方语言，除非相关成员国另有规定。 11. 自2026年起，在工业场所作为塑料制造原料使用的粒状、片状和粉末状合成聚合物微粒的制造商和工业下游用户，以及自2027年起，合成聚合物微粒的其他制造商和在工业场所使用合成聚合物微粒的其他工业下游用户，应在每年5月31日前向主管当局（欧洲化学品管理局）提交以下信息： (a) 上一日历年合成聚合物微粒的用途说明 (b) 关于合成聚合物微粒的每次使用，所使用聚合物的特性的通用信息 (c) 对于合成聚合物微粒的每种用途，估计上一个日历年释放到环境中的合成聚合物微 粒的数量，其中还应包括 在运输过程中释放到环境中的合成聚合物微粒的数量 (d) 对于合成聚合物微粒的每种用途，提及第 4 项(a)分段规定的减损。 12. 从2027年起，含有第4项(b)、(d)和(e)分段及第5项所述合成聚合物微粒 的产品首次投放市场供专业用户和公众使用时，其供应商应在每年5月31 日前向该局提交以下资料： (a) 说明合成聚合物微粒在上一历年投放市场的最终用途 (b) 就合成聚合物微粒投放市场的每一最终用途而言，关于上一日历年投放市场的聚合物特性的通用信息 (c) 对于合成聚合物微粒投放市场的每种最终用途，估计上一日历年释放到环境中的合成聚合物微粒的数量，其中还应包括在运输过程中释放到环境中的合成聚合物微粒的数量 (d) 对于合成高分子微粒的每种用途，提及第 4 项(b)、(d)或(e)分段或第 5 项(a)、(b)或(c)分段中规定的适用减损令。 13. 主管当局应向成员国提供根据第 11 和第 12 项提交的信息。 14. 含有合成聚合物微粒的产品的制造商、进口商和下游工业用户应根据主管当局的要求提供具体资料，说明这些产品中含有的本条目所涵盖的聚合物的特性以及这些聚合物在产品中的功能。有关聚合物特性的具体信息应足以明确识别聚合物，并应至少包括附件 VI 第 2.1 至 2.2.3 点以及第 2.3.5、2.3.6 和 2.3.7 点（如适用）规定的信息。 如果工业下游用户无法获得这些信息，则应在收到主管当局的要求后 7 天内向其供应 商提出要求，并应立即将所提要求通知主管当局。 供应商在收到第二项所述请求后，应在 30 天内向工业下游用户或直接向提出请求的 主管当局提供所要求的信息。 在供应商向工业下游用户提供信息的情况下，工业下游用户应立即将信息转交给主管当局。 如果供应商直接向主管当局提供信息，则应立即将此情况通知有关工业下游用户。 15. 含有以可降解性或可溶性为由被排除在合成聚合物微粒指定范围之外的聚合物的产品的 制造商、进口商和下游工业用户，应在主管当局提出要求时，毫不拖延地提供资料，证明 这些聚合物可降解，符合附录 15 的规定，或可溶解，符合附录 16 的规定。	

表2：限制物质
 以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-3. 欧洲REACH规则 附录XVII中限制使用“常规零件”的物质

No.	物质名称	制限条件	REACH规则 附录XVII 条目编号
		16. 第1项不适用于 2023 年 10 月 17 日之前投放市场的合成聚合物微粒本身或其混合物。但第1项不适用于第6项所列用途的合成聚合物微粒的市场投放。	
21	全氟己酸（PFHxA）及其盐和PFHxA相关物质： (a)having a linear or branched perfluoropentyl group with the formula C5F11- directly attached to another carbon atom as one of the structural elements; or (b)having a linear or branched perfluorohexyl group with the formula C6F13-. The following substances are excluded from this designation: (a)C6F14; (b)C6F13-C(=O)OH, C6F13-C(=O)O-X' or C6F13-CF2-X' (where X' = any group, including salts); (c)any substance having a perfluoroalkyl group C6F13- directly attached to an oxygen atom at one of the non-terminal carbon atoms.	1. 自2026年10月10日起，以下产品的均质材质不得含有PFHxA及其盐类等或大于25 ppb，或是PFHxA相关物质总和等或大于1,000 ppb。 (a) 供大眾使用的紡織品、皮革、毛皮和服裝及相關配件 (b) 供大眾使用的鞋類 (c) Regulation (EC) No 1935/2004範圍內作為食品接觸材料的紙和紙板 (d) 供公眾使用的混合物 (e) Regulation (EC) No 1223/2009第2(1)條(a)點中定義的化妝品 2. 自2027年10月10日起，除了前項提及供大眾使用的服裝及相關配件產品以外，其他紡織品、皮革、毛皮等均質材質均不得含有PFHxA及其鹽类等或大于25 ppb，或是PFHxA相關物質總和等或大于1,000 ppb。 3. 上述第1點與第2點不適用於以下產品： (a) Regulation (EU) 2016/425特定個人防護具 (b) Regulation (EU) 2017/745的醫療器材 (c) Regulation (EU) 2017/746的體外診斷醫材 (d) 以及建築紡織品 4. 自2026年4月10日起，以下投放市場的產品不得含有PFHxA及其鹽类等或大于25 ppb，或是PFHxA相關物質總和等或大于1,000 ppb (a) 訓練和測試用消防泡沫和消防泡沫濃縮物，但不包括消防系統的功能測試，前提是所有PFHxA的釋放均需要受到控制 (b) 用於公共消防服務的消防泡沫和消防泡沫濃縮物，除非用於涉及Directive 2012/18/EU所涵蓋的工業火災。 5. 自2029年10月10日起，用於民用航空(包括民用機場)的消防泡沫和消防泡沫濃縮物不得含有PFHxA及其鹽类等或大于25 ppb，或是PFHxA相關物質總和等或大于1,000 ppb。 6. 第1、2、4和5點不適用於Regulation (EU) 2019/1021 Annex I禁止的具有直接連接到硫原子的全氟己基C6F13-物質(PFHxS)。 7. 第1點的限制不適用於2026年10月10日之前投放市場的物品和混合物。 8. 第2點的限制不適用於2027年10月10日之前投放市場的物品。 9. 就本規定而言，PFHxA 相關物質是指根據其分子 結構被認為有可能降解或轉化為PFHxA的物質。	79
	示例物质	CAS No.	
	Sodium undecafluorohexanoate	2923-26-4	

表2：限制物质
 以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-4. TSCA PBT物质（§ 751.405, § 751.407, § 751.409, § 751.411, § 751.413）

No.	物质名称	（中文参考译文）	限制条件
1	decaBDE CAS No. 1163-19-5	十溴二苯醚	(a) 禁止事项 (1) 一般事项 除 (a) (2) 及 (b) 规定的情况以外，2021年3月8日之后禁止制造、加工decaBDE或含有decaBDE的产品及制品。 2022年1月6日之后禁止商业分销。 (2) 分阶段禁止用于特定用途 (i) 2022年7月6日之后，禁止制造、加工和商业分销用于酒店业窗帘的decaBDE及含有decaBDE的窗帘。 (ii) 2023年1月6日之后，禁止加工和商业分销用作核能发电设施的电线、电缆绝缘材料的decaBDE及含有decaBDE的电线、电缆绝缘材料。 (iii) 2024年1月8日之后，禁止制造、加工和商业分销新型航天飞行器上安装并作为其一部分进行分销的零件、以及此类飞行器中含有decaBDE的零件中使用的decaBDE。 在航天飞行器的使用寿命结束后，禁止进口、加工和商业分销任何在2024年1月8日之前生产的、部分含有decaBDE的航天飞行器。 在航天飞行器的使用寿命结束后，禁止进口、加工和商业分销任何用作航天飞行器替换零件的decaBDE、以及此类飞行器中含有decaBDE的替换零件。 (iv) 车辆的使用寿命结束或达到2036年（以较早者为准）后，禁止制造、加工和商业分销用作汽车替换零件的decaBDE、以及含有decaBDE的替换零件。 (v) 托盘的使用寿命结束后，禁止制造、加工和商业分销在2021年3月8日之前制造的、含有decaBDE的树脂运输托盘。 (b) 豁免事项 在回收产品或制品中含有decaBDE的树脂、以及回收用此类回收塑料制造的含有decaBDE的产品或制品所需的加工和商业分销中，如果在回收或制造过程中没有新添加decaBDE，就不受 (a) 的禁止事项的限制；
2	PIP (3:1) CAS No. 68937-41-7	三异丙苯基磷酸酯	(a) 禁止事项 (1) 一般事项 2021年3月8日之后，除 (a) (2) 及 (b) 中规定的情况以外，禁止制造、商业分销含有PIP (3: 1)、PIP (3: 1) 的产品和制品。 (2) 分阶段禁止用于特定用途 (i) 2025年1月6日之后，禁止加工、商业分销用于粘合剂和密封剂的PIP (3: 1)、含有用于粘合剂和密封剂的PIP (3: 1) 的产品、含有PIP (3: 1) 的粘合剂和密封剂。 (ii) 2022年1月1日之后，禁止加工、商业分销用于摄影印刷品的PIP (3: 1) 以及含有PIP (3: 1) 的摄影印刷品。 (iii) 2024年10月31日之后，除(a)(2)(ii)及(b)中规定的情况以外，禁止加工、商业分销含有PIP (3: 1)、PIP (3: 1) 的产品和制品。 (b) 豁免事项 以下行为不受 (a) 的禁止事项的限制。 (1) 下列产品的加工和商业分销 (i) 用于航空工业、或没有可用的满足美国国防部的规格要求的替代化学物质时，为了满足安全性和性能的相关军用规格而作为液压油使用的PIP (3: 1)、含有PIP (3: 1) 且用作此类用途的液压油的产品、含有PIP (3: 1) 的液压油。 (ii) 用于润滑剂和润滑脂的PIP (3: 1)、含有PIP (3: 1) 的产品、以及含有润滑剂和润滑脂的PIP (3: 1) 。 (iii) 用于汽车、航天飞行器的新零件和替换零件的PIP (3: 1) 以及含有PIP (3: 1) 的产品、含有PIP (3: 1) 的汽车、航天飞行器的新零件和替换零件、配备含有PIP (3: 1) 的新零件和替换零件的汽车和航天飞行器。 (iv) 作为制造氰基丙烯酸酯粘合剂所需的封闭系统中间体使用的PIP (3: 1) 及含有PIP (3: 1) 的产品。 (v) 作为铁道机车和船舶的特殊发动机空气过滤器使用的PIP (3: 1)、 作为铁道机车和船舶的特殊发动机空气过滤器使用的含有PIP (3: 1) 的产品、含有PIP (3: 1) 的铁道机车和船舶的特殊发动机空气过滤器。

表2：限制物质

以下物质被确定为限制物质，根据限制条件，禁止使产品中含有或者在产品制造过程中使用。

表2-4. TSCA PBT物质（§ 751.405, § 751.407, § 751.409, § 751.411, § 751.413）

No.	物质名称	（中文参考译文）	限制条件
2	PIP (3:1) (继续)		(vi) 从含有PIP (3:1) 的产品或制品中回收的塑料，回收过程中未添加新的PIP (3:1) 的情况。 (vii) 使用从含有PIP (3:1) 的产品或制品中回收的塑料制造的成品或制品，在使用再生塑料制造产品或制品的过程中，未添加新的PIP (3:1) 的情况。
3	2, 4, 6-TTBP CAS No. 732-26-3	2, 4, 6-三叔丁基苯酚	(a) 禁止事项 (1) 2026年1月6日之后，禁止在容积小于35加仑的容器内，商业分销浓度超过0.3重量%的2, 4, 6-TTBP。 (2) 2026年1月6日之后，禁止加工和商业分销浓度超过0.3重量%的用作机油和润滑油添加剂的2, 4, 6-TTBP。
4	PCTP CAS No. 133-49-3	五氯苯硫酚	(a) 禁止事项 (1) 2021年3月8日之后，除非PCTP浓度等于或低于1重量%，否则禁止制造和加工PCTP或含有PCTP的产品及制品。2022年1月6日之后，除非PCTP浓度等于或低于1重量%，否则禁止商业分销PCTP或含有PCTP的产品及制品。
5	HCBD CAS No. 87-68-3	六氯丁二烯	(a) 禁止事项 2021年3月8日之后，除下列情况以外，禁止制造、加工及商业分销HCBD及含有HCBD的产品和制品。 (1) 作为制造氯化溶剂的副产品，非故意制造的HCBD。 (2) 作为废燃料燃烧的HCBD的加工和商业分销。

附表 I-A: RoHS指令 豁免清单 附录III

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
1	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):	灯泡型(紧凑型)荧光灯中的汞含量不能超过以下规定量(每个灯头)		
1(a)	For general lighting purposes < 30 W: 5 mg	不足30W的普通照明用途: 5mg	Expires on 24 February 2023	2023年2月24日到期。
1(b)	For general lighting purposes ≥ 30 W and < 50 W: 5 mg	30W以上且不足50W的普通照明用途: 5mg	Expires on 24 February 2023	2023年2月24日到期。
1(c)	For general lighting purposes ≥ 50 W and < 150 W: 5 mg	50W以上且不足150W的普通照明用途: 5mg	Expires on 24 February 2023	2023年2月24日到期。
1(d)	For general lighting purposes ≥ 150 W: 15 mg	150W以上的普通照明用途: 15mg	Expires on 24 February 2023	2023年2月24日到期。
1(e)	For general lighting purposes with circular or square structural shape and tube diameter ≤ 17 mm	普通照明用途, 圆形或方形结构且灯管的直径在17mm以下	Expires on 24 February 2023	2023年2月24日到期。
1(f)-1	For lamps designed to emit mainly light in the ultraviolet spectrum: 5 mg	对于设计主要发射紫外光谱中的光的灯: 5 mg	Expires on 24 February 2027	2027年2月24日到期。
1(f)-2	For special purposes: 5 mg	特殊用途: 5mg	Expires on 24 February 2025	2025年2月24日到期。
1(g)	For general lighting purposes < 30 W with a lifetime equal or above 20 000 h: 3,5 mg	不足30W的普通照明用途, 使用寿命长20,000小时以上: 3.5mg	Expires on 24 February 2023	2023年2月24日到期。
2(a)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp):	普通照明用途的直管型荧光灯中的汞含量不能超过以下规定量(每个灯管)		
2(a)(1)	Tri-band phosphor with normal lifetime and a tube diameter < 9 mm (e.g. T2): 5 mg	使用了三基色荧光粉、标准使用寿命且灯管直径小于9mm (例: T2): 5mg	Expires on 24 February 2023	2023年2月24日到期。
2(a)(2)	Tri-band phosphor with normal lifetime and a tube diameter ≥ 9 mm and ≤ 17 mm (e.g. T5): 5 mg	使用了三基色荧光粉、标准使用寿命且灯管直径在9mm以上、17mm以下 (例: T5): 5mg	Expires on 24 February 2023	2023年2月24日到期。
2(a)(3)	Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and ≤ 28 mm (e.g. T8): 5 mg	使用了三基色荧光粉、标准使用寿命且灯管直径超过17mm、28mm以下 (例: T8): 5mg	Expires on 24 February 2023	2023年2月24日到期。
2(a)(4)	Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 5 mg	使用了三基色荧光粉、标准使用寿命且灯管直径超过28mm (例: T12): 5mg	Expires on 24 February 2023	2023年2月24日到期。
2(a)(5)	Tri-band phosphor with long lifetime (≥ 25 000 h): 8 mg	使用了三基色荧光粉、使用寿命长(25,000小时以上)的灯管: 8mg	Expires on 24 February 2023	2023年2月24日到期。
2(b)	Mercury in other fluorescent lamps not exceeding (per lamp):	其他荧光灯中的汞含量不能超过以下规定量(每个灯管)		
2(b)(1)	Linear halophosphate lamps with tube > 28 mm (e.g. T10 and T12): 10 mg	灯管直径超过28mm的直管型卤磷酸盐灯 (例: T10及T12): 10mg	Expires on 13 April 2012	2012年4月13日到期。
2(b)(2)	Non-linear halophosphate lamps (all diameters): 15 mg	非直管型卤磷酸盐灯(所有管径): 15mg	Expires on 13 April 2016	2016年4月13日到期。
2(b)(3)	Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9)	使用了三基色荧光粉、灯管直径超过17mm的非直管型荧光灯 (例: T9)	Expires on 24 February 2023; 10 mg may be used per lamp from 25 February 2023 until 24 February 2025	2023年2月24日到期; 2023年2月25日至2025年2月24日期间, 每盏灯可使用10毫克
2(b)(4)-I	Lamps for other general lighting and special purposes (e.g. induction lamps): 15 mg	使用了三基色荧光粉、标准使用寿命且灯管直径超过28mm (例: T12): 15mg	Expires on 24 February 2025	2025年2月24日到期。
2(b)(4)-II	Lamps emitting mainly light in the ultraviolet spectrum: 15mg	主要发射紫外光谱光的灯: 15mg	Expires on 24 February 2027	2027年2月24日到期。
2(b)(4)-III	Emergency lamps: 15 mg	应急灯: 15mg	Expires on 24 February 2027	2027年2月24日到期。
3	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):	特殊用途的冷阴极荧光灯和外部电极荧光灯(CCFL和EEFL)中汞含量不能超过以下规定量(每个灯管)		
3(a)	Short length (≤ 500 mm)	短管灯(500mm以下)	Expires on 24 February 2025	2025年2月24日到期。
3(b)	Medium length (> 500 mm and ≤ 1 500 mm)	中管灯(大于500mm且1,500mm以下)	Expires on 24 February 2025	2025年2月24日到期。
3(c)	Long length (> 1 500 mm)	长管灯(大于1,500mm)	Expires on 24 February 2025	2025年2月24日到期。
4(a)	Mercury in other low pressure discharge lamps (per lamp): 15 mg	其他低压放电灯中的汞(每个灯管): 15 mg	Expires on 24 February 2023	2023年2月24日到期。
4(a)-I	Mercury in low pressure non-phosphor coated discharge lamps, where the application requires the main range of the lamp-spectral output to be in the ultraviolet spectrum: up to 15 mg mercury may be used per lamp	低压无磷涂层放电灯中的汞, 其中应用要求灯光谱输出的主要范围位于紫外光谱内: 每灯最多可使用 15 mg汞	Expires on 24 February 2027	2027年2月24日到期。
4(b)	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60:	改良后的显色指数Ra>60、普通照明用途的高压钠(蒸气)灯中的汞含量不能超过以下规定量(每个灯头)	Expires on 24 February 2027	2027年2月24日到期。
4(b)-I	P ≤ 155 W	P ≤ 155 W	Expires on 24 February 2023	2023年2月24日到期。
4(b)-II	155 W < P ≤ 405 W	155W<P ≤ 405 W	Expires on 24 February 2023	2023年2月24日到期。
4(b)-III	P > 405 W	P>405W	Expires on 24 February 2023	2023年2月24日到期。
4(c)	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner):	其他普通照明用途高压钠(蒸气)灯中的汞含量不能超过以下规定量(每个灯头)		

附表 I -A: RoHS指令 豁免清单 附录III

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
4(c)-I	$P \leq 155 \text{ W}$	$P \leq 155 \text{ W}$	Expires on 24 February 2027	2027年2月24日到期。
4(c)-II	$155 \text{ W} < P \leq 405 \text{ W}$	$155 \text{ W} < P \leq 405 \text{ W}$	Expires on 24 February 2027	2027年2月24日到期。
4(c)-III	$P > 405 \text{ W}$	$P > 405 \text{ W}$	Expires on 24 February 2027	2027年2月24日到期。
4(d)	Mercury in High Pressure Mercury (vapour) lamps (HPMV)	高压汞(蒸气)灯(HPMV)中的汞	Expires on 13 April 2015	2015年4月13日到期。
4(e)	Mercury in metal halide lamps (MH)	金属卤化物灯(MH)中的汞	Expires on 24 February 2027	2027年2月24日到期。
4(f)-I	Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex	本附录中没有明确记载的特殊用途的其他放电灯中的汞	Expires on 24 February 2025	2025年2月24日到期。
4(f) II	Mercury in high pressuremercury vapour lamps used in projectors where an output>=2000 lumen ANSI is required	要求输出 ≥ 2000 流明 ANSI 的投影仪中使用的高压汞蒸气灯中的汞	Expires on 24 February 2027	2027年2月24日到期。
4(f) -III	Mercury in high pressuresodium vapour lamps used for horticulture lighting	用于园艺照明的高压钠蒸气灯中的汞	Expires on 24 February 2027	2027年2月24日到期。
4(f) -IV	Mercury in lamps emitting light in the ultraviolet spectrum	发射紫外光谱光的灯中的汞	Expires on 24 February 2027	2027年2月24日到期。
4(g)	Mercury in hand crafted luminous discharge tubes used for signs, decorative or architectural and specialist lighting and light-artwork, where the mercury content shall be limited as follows: (a) 20 mg per electrode pair + 0,3 mg per tube length in cm, but not more than 80 mg, for outdoor applications and indoor applications exposed to temperatures below 20 ° C; (b) 15 mg per electrode pair + 0,24 mg per tube length in cm, but not more than 80 mg, for all other indoor applications.	在看板、装饰、建筑、专用照明、照明工艺上使用的手工业发光放电管(HLDT)中的水银,被以下的含有条件限定的水银 (a)在常时不到20℃的温度下的室内用途以及室外用途,每个电极对20mg、每个管长0.3mg/cm,不到80mg时 (b)在其他室内用途中,每个电极对15mg、每个管长0.24mg/cm,不到80mg时	Expires on 31 December 2018	2018年12月31日到期。
5(a)	Lead in glass of cathode ray tubes	阴极射线管的玻璃中的铅	Expires on: 21 July 2016 for categories 1-7 and 10; 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; 21 July 2023 for category 8 in vitro diagnostic medical devices; 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	到期: 2016年7月21日(类别1-7和10); 2021年7月21日,除体外诊断医疗器械和工业监测控制仪器外的第8类和第9类; 第8类体外诊断医疗器械2023年7月21日; 2024年7月21日适用于第9类工业监测和控制仪器,以及第11类工业监测和控制仪器。
5(b)	Lead in glass of fluorescent tubes not exceeding 0,2 % by weight	重量比不超过0.2%的荧光灯玻璃中的铅	Expires on: 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; 21 July 2023 for category 8 in vitro diagnostic medical devices; 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	到期: 2021年7月21日,除体外诊断医疗器械和工业监测控制仪器外的第8类和第9类; 第8类体外诊断医疗器械2023年7月21日; 2024年7月21日适用于第9类工业监测和控制仪器,以及第11类工业监测和控制仪器。
6(a)	Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight	作为合金元素,在机械加工用途的钢铁及镀锌钢中重量比不超过0.35%的铅		
6(a)-I	Lead as an alloying element in steel for machining purposes containing up to 0,35 % lead by weight and in batch hot dip galvanised steel components containing up to 0,2 % lead by weight	作为机械加工所用钢材中的合金元素,重量比在0.35%以下的铅;以及热浸镀锌钢中所含重量比在0.2%以下的铅		
6(b)	Lead as an alloying element in aluminium containing up to 0,4 % lead by weight	作为铝中的合金元素,重量比在0.4%以下的铅		
6(b)-I	Lead as an alloying element in aluminium containing up to 0,4 % lead by weight, provided it stems from lead-bearing aluminium scrap recycling	源自含铅的铝废料回收再利用的铝中,作为合金元素且重量比在0.4%以下的铅		
6(b)-II	Lead as an alloying element in aluminium for machining purposes with a lead content up to 0,4 % by weight	机械加工所用的铝中,作为合金元素且重量比在0.4%以下的铅		
6(c)	Copper alloy containing up to 4 % lead by weight	含有重量比不超过4%的铅作为合金元素的铜合金		
7(a)	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)	高熔点焊料中的铅(即含铅重量比在85%以上的铅基合金)		

附表 I -A: RoHS指令 豁免清单 附录III

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
7(b)	Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, and network management for telecommunications	服务器、存储器、存储阵列系统的焊料中的铅, 用于交换、信号产生和传输的网络基础设施以及电信网络管理设施的焊料中的铅		
7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound	电容中, 介电陶瓷之外的玻璃或陶瓷中含铅的电气电子零部件(压点元件)及玻璃, 或是陶瓷化合物中含铅的电气电子零部件		
7(c)-II	Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher	额定电压为AC 125V或DC 250V以上的电容器中的介电陶瓷中的铅		
7(c)-III	Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC	额定电压不足AC 125V或DC 250V的电容器中的介电陶瓷中的铅		
7(c)-IV	Lead in PZT based dielectric ceramic materials for capacitors which are part of integrated circuits or discrete semiconductors	用于电容器的以PZT为基础的介电陶瓷材料中的铅, 该电容器为集成电路或分立半导体的一部分	Expires on: — 21 July 2021 for categories 1-7 and 10; — 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; — 21 July 2023 for category 8 in vitro diagnostic medical devices; — 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	类1 -7和10 2021/7/21到期。 8,9类(体外诊断医疗装置、工业用监视控制装置以外) 2021/7/21到期。 8类体外诊断医疗装置 2023/7/21到期。 9类工业监控设备和11类 2024/7/21到期。
8(a)	Cadmium and its compounds in one shot pellet type thermal cut-offs	单触球型热熔断器中含有的镉及其化合物	Expires on 1 January 2012 and after that date may be used in spare parts for EEE placed on the market before 1 January 2012	2012年1月1日到期。之后, 允许用于2012年1月1日之前上市的电子电气设备的备件
8(b)	Cadmium and its compounds in electrical contacts	电触点中的镉及其化合物		
8(b)-I	Cadmium and its compounds in electrical contacts used in: — circuit breakers, — thermal sensing controls, — thermal motor protectors (excluding hermetic thermal motor protectors), — AC switches rated at: — 6 A and more at 250 V AC and more, or — 12 A and more at 125 V AC and more, — DC switches rated at 20 A and more at 18 V DC and more, and — switches for use at voltage supply frequency ≥ 200 Hz.	下一个电接点中的镉及其化合物 •断路器 •热感应控制 •非密封型热敏电机保护器 •直流250 V以上时额定电流为6 A以上, 或者直流125 V以上时额定电流为12 A以上的直流开关 •额定功率在交流18 V以上时额定电流在20 A以上的交流开关 •使用200 Hz以上电源的开关		
9	Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0,75 % by weight in the cooling solution	吸收式电冰箱中作为碳钢冷却系统防腐剂的六价铬, 其在冷却剂中的重量比不足0.75%	Applies to categories 8, 9 and 11 and expires on: —21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments, —21 July 2023 for category 8 in vitro diagnostic medical devices, —21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	适用于类别8、9、11。 类别8和9中的体外诊断医疗装置和工业用监视控制装置以外 2021年7月21日到期 类别8的体外诊断医疗装置 2023年7月21日到期 类别9的工业用监视控制装置、类别11 2024年7月21日到期
9(a)-I	Up to 0,75 % hexavalent chromium by weight, used as an anticorrosion agent in the cooling solution of carbon steel cooling systems of absorption refrigerators (including minibars) designed to operate fully or partly with electrical heater, having an average utilised power input < 75 W at constant running conditions	在恒定运行状态下的平均运行输入功率低于75W, 设计为完全或部分使用电加热器运行的吸收式电冰箱(包括迷你吧台小冰箱), 作为其碳钢冷却系统防腐剂的六价铬, 其在冷却剂中的重量比不足0.75%	Applies to categories 1-7 and 10 and expires on 5 March 2021.	适用于类别1-7和10 2021年3月5日到期。

附表 I -A: RoHS指令 豁免清单 附录III

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
9(a)-II	Up to 0,75 % hexavalent chromium by weight, used as an anticorrosion agent in the cooling solution of carbon steel cooling systems of absorption refrigerators (including minibars) designed to operate fully or partly with electrical heater, having an average utilised power input < 75 W at constant running conditions — designed to operate fully or partly with electrical heater, having an average utilised power input $\geq$ 75 W at constant running conditions, — designed to fully operate with non-electrical heater.	含有六价铬的吸收式电冰箱, 六价铬作为用于碳钢冷却系统的防腐剂, 在冷却剂中的重量比不足0.75% • 恒定运行状态下的平均运行输入功率等于或高于75W, 设计为完全或部分使用电加热器运行的电冰箱 • 设计为完全不使用电加热器运行的电冰箱		
9(b)	Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR) applications	用于加热/通风/空调/制冷 (HVACR) 的含有制冷剂的压缩机中轴承外壳及轴衬中所含的铅	Applies to categories 8, 9 and 11; expires on: — 21 July 2023 for category 8 in vitro diagnostic medical devices, — 21 July 2024 for category 9 industrial monitoring and control instruments and for category 11, — 21 July 2021 for other subcategories of categories 8 and 9.	适用于类别8、9、11。 8, 9类(体外诊断医疗装置、工业用监视控制装置以外) 2021年7月21日到期。 8类体外诊断医疗装置 2023年7月21日到期。 9类工业监控设备和11类 2024年7月21日到期。
9(b)-(I)	Lead in bearing shells and bushes for refrigerant-containing hermetic scroll compressors with a stated electrical power input equal or below 9 kW for heating, ventilation, air conditioning and refrigeration (HVACR) applications	制热、换气、空调、冷冻 (HVACR) 用途的额定功率9kW以下、含有制冷剂密闭式涡旋式压缩机的轴承壳与轴承筒中含有的铅	Applies to category 1; expires on 21 July 2019.	适用于类别1, 2019年7月21日到期。
11(a)	Lead used in C-press compliant pin connector systems	C-press顺应针连接器系统中所使用的铅	May be used in spare parts for EEE placed on the market before 24 September 2010	允许用于2010年9月24日之前上市电子电气设备的备件
11(b)	Lead used in other than C-press compliant pin connector systems	除C-press顺应针连接器系统外使用的铅	Expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013	2013年1月1日到期。之后, 允许用于2013年1月1日之前上市电子电气设备的备件
12	Lead as a coating material for the thermal conduction module C-ring	用作热导模组C环涂层的铅	May be used in spare parts for EEE placed on the market before 24 September 2010	允许用于2010年9月24日之前上市电子电气设备的备件
13(a)	Lead in white glasses used for optical applications	光学应用中所使用的白色玻璃中的铅		
13(b)	Cadmium and lead in filter glasses and glasses used for reflectance standards	滤光玻璃及用作反射率标准的玻璃中的铅和镉		
13(b)-(I)	Lead in ion coloured optical filter glass types	离子彩色滤光玻璃(ion coloured optical filter glass)中的铅		
13(b)-(II)	Cadmium in striking optical filter glass types; excluding applications falling under point 39 of this Annex	醒目滤光玻璃 (striking optical filter glass) 中的镉。但是, 属于附录III之第39项的用途除外		
13(b)-(III)	Cadmium and lead in glazes used for reflectance standards	用作反射标准的釉药中的铅和镉		
14	Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80 % and less than 85 % by weight	微处理器的针脚与封装之间连接所使用的、铅含量超过重量比80%且不足85%的、由超过两种元素构成的焊料中的铅	Expired on 1 January 2011 and after that date may be used in spare parts for EEE placed on the market before 1 January 2011	2011年1月1日到期。之后, 允许用于2011年1月1日之前上市电子电气设备的备件
15	Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages	集成电路倒装芯片封装中内部半导体芯片与载体之间形成可靠电连接所用焊料中的铅		
15(a)	Lead in solders to complete a viable electrical connection between the semiconductor die and carrier within integrated circuit flip chip packages where at least one of the following criteria applies: — a semiconductor technology node of 90 nm or larger; — a single die of 300 mm ² or larger in any semiconductor technology node; — stacked die packages with die of 300 mm ² or larger, or silicon interposers of 300 mm ² or larger.	用于满足如下标准的集成电路倒装芯片封装的内部半导体模具和载体之间的可靠电连接的焊锡所含的铅 • 半导体技术节点90 nm以上 • 在任何半导体技术节点处300 mm ² 以上的单模 • 使用300 mm ² 或更大的模具或300 mm ² 或更大的硅内插板进行层压模封装		
16	Lead in linear incandescent lamps with silicate coated tubes	具有硅酸盐涂层灯管的直管型白炽灯中的铅	Expires on 1 September 2013	2013年9月1日到期

附表 I -A: RoHS指令 豁免清单 附录III

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
17	Lead halide as radiant agent in high intensity discharge (HID) lamps used for professional reprography applications	专业复印用途的高强度放电 (HID) 灯中用作发光剂的卤化铅	Expires on: 21 July 2016 for categories 1-7 and 10; 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; 21 July 2023 for category 8 in vitro diagnostic medical devices; 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	到期: 2016年7月21日 (类别 1-7 和 10); 2021年7月21日, 除体外诊断医疗器械和工业监测控制仪器外的第8类和第9类; 第8类体外诊断医疗器械2023年7月21日; 第9类工业监测和控制仪器以及第11类工业监测和控制仪器为2024年7月21日。
18(a)	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as speciality lamps for diazoprinting reprography, lithography, insect traps, photochemical and curing processes containing phosphors such as SMS ((Sr,Ba) ₂ MgSi ₂ O ₇ :Pb)	用于重氮印刷复印、平板印刷、捕虫器、光化学、硬化工艺的含有SMS ((Sr,Ba) ₂ MgSi ₂ O ₇ :Pb) 等荧光粉的特殊用途放电灯中, 用作荧光粉激活剂的铅 (重量比1%以下)	Expired on 1 January 2011	2011年1月1日到期
18(b)	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi ₂ O ₅ :Pb)	被用作含有BSP (BaSi ₂ O ₅ :Pb) 等荧光粉的仿日晒灯的放电灯中, 用作荧光粉激活剂的铅 (重量比1%以下)		
18(b)-I	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps containing phosphors such as BSP (BaSi ₂ O ₅ :Pb) when used in medical phototherapy equipment	作为医用光疗机使用的、含有BSP (BaSi ₂ O ₅ :Pb) 等荧光体的放电灯的荧光粉中的催化剂为1wt%以下的铅	Excluding applications covered by entry 34 of Annex IV	不包括附件 IV 第 34 条所涵盖的应用。
19	Lead with PbBiSn-Hg and PbInSn-Hg in specific compositions as main amalgam and with PbSn-Hg as auxiliary amalgam in very compact energy saving lamps (ESL)	非常紧凑的节能灯 (ESL) 中作为主要汞齐的特定成分所含的PbBiSn-Hg和PbInSn-Hg的铅, 以及作为辅助汞齐的PbSn-Hg的铅	Expires on 1 June 2011	2011年6月1日到期
20	Lead oxide in glass used for bonding front and rear substrates of flat fluorescent lamps used for Liquid Crystal Displays (LCDs)	液晶显示器 (LCD) 中用于连接平面荧光灯前后电路基板的玻璃中的氧化铅	Expires on 1 June 2011	2011年6月1日到期
21	Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses	硼硅玻璃、钠钙玻璃的彩釉加工所使用的印刷油墨中的铅和镉	Applies to categories 8, 9 and 11 and expires on: — 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; — 21 July 2023 for category 8 in vitro diagnostic medical devices; — 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	适用于类别8、9、11。 8、9类(体外诊断医疗装置、工业用监视控制装置以外) 2021/7/21到期 8类体外诊断医疗装置 2023/7/21到期 9类工业监控设备和11类 2024/7/21到期
21(a)	Cadmium when used in colour printed glass to provide filtering functions, used as a component in lighting applications installed in displays and control panels of EEE	用于过滤功能的彩色印刷玻璃中或作为EEE显示器和控制面板的照明用途的成分使用的镉	Applies to categories 1 to 7 and 10 except applications covered by entry 21(b) or entry 39 and expires on 21 July 2021.	适用种类1-7及10, 但适用于21 (b) 或39的用途除外。 2021/7/21到期。
21(b)	Cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses	用于硼硅酸钠钙玻璃等玻璃搪瓷加工的印刷油墨中的镉	Applies to categories 1 to 7 and 10 except applications covered by entry 21(a) or 39 and expires on 21 July 2021.	适用种类1-7及10, 但适用于21 (a) 或39的用途除外。 2021/7/21到期。
21(c)	Lead in printing inks for the application of enamels on other than borosilicate glasses	用于硼硅玻璃以外的搪瓷加工的印刷油墨中的铅	Applies to categories 1 to 7 and 10 and expires on 21 July 2021.	适用种类1-7及10, 2021/7/21到期。
23	Lead in finishes of fine pitch components other than connectors with a pitch of 0.65 mm and less	除间距在0.65mm以下的连接器以外的微细间距部件实施完工处理时所使用的铅	May be used in spare parts for EEE placed on the market before 24 September 2010	允许用于2010年9月24日之前上市电子电气设备的备件
24	Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors	机械加工带通孔圆盘状及平面阵列陶瓷多层电容中所用的焊锡膏里的铅	Expires on: 21 July 2024 for category 11.	类别11将于2024年7月21日到期。

附表 I -A: RoHS指令 豁免清单 附录III

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
25	Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring	表面传导式电子发射显示器 (SED) 构件, 尤其是封装玻璃及环状玻璃中所含的氧化铅	Expires on: 21 July 2016 for categories 1-7 and 10; 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; 21 July 2023 for category 8 in vitro diagnostic medical devices; 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	到期: 2016年7月21日 (类别1-7和10); 2021年7月21日, 除体外诊断医疗器械和工业监测控制仪器外的第8类和第9类; 第8类体外诊断医疗器械2023年7月21日; 第9类工业监测和控制仪器以及第11类工业监测和控制仪器为2024年7月21日。
26	Lead oxide in the glass envelope of black light blue lamps	蓝黑灯管的玻璃外罩中的氧化铅	Expires on 1 June 2011	2011年6月1日到期
27	Lead alloys as solder for transducers used in high-powered (designated to operate for several hours at acoustic power levels of 125 dB SPL and above) loudspeakers	用作高功率 (在125dB SPL以上的音响输出电平下工作数小时) 扬声器的传感器焊料的铅合金	Expired on 24 September 2010	2010年9月24日到期
29	Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC (3)	理事会指令69/493/EEC (*3) 附录I (第1、2、3和4类) 中定义的水晶玻璃中的铅	Expires on: — 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; — 21 July 2023 for category 8 in vitro diagnostic medical devices; — 21 July 2024 for category 9 industrial monitoring and control instruments.	8, 9类 (体外诊断医疗装置、工业用监视控制装置以外) 2021年7月21日到期。 8类体外诊断医疗装置 2023年7月21日到期。 9类工业用监视控制装置 2024年7月21日到期。
30	Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more	声压级在100dB (A) 以上的高功率扬声器中, 直接与传感器音圈相连接的导电体的电气/机械焊料中的镉合金	Expires on: 21 July 2016 for categories 1-7 and 10; 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; 21 July 2023 for category 8 in vitro diagnostic medical devices; 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	到期: 2016年7月21日 (类别1-7和10); 2021年7月21日, 除体外诊断医疗器械和工业监测控制仪器外的第8类和第9类; 第8类体外诊断医疗器械2023年7月21日; 第9类工业监测和控制仪器以及第11类工业监测和控制仪器为2024年7月21日。
31	Lead in soldering materials in mercury free flat fluorescent lamps (which, e.g. are used for liquid crystal displays, design or industrial lighting)	无汞平板荧光灯 (例: 液晶显示器、设计或工业用照明) 所用的焊料材料中的铅	Expires on: 21 July 2016 for categories 1-7 and 10; 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; 21 July 2023 for category 8 in vitro diagnostic medical devices; 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	到期: 2016年7月21日 (类别 1-7 和 10); 2021年7月21日, 除体外诊断医疗器械和工业监测控制仪器外的第8类和第9类; 第8类体外诊断医疗器械2023年7月21日; 2024年7月21日, 第 9 类工业监测和控制仪器, 第 11 类工业监测和控制仪器
32	Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes	用于为氩、氪激光管制造窗口组件的封装玻璃中的氧化铅	Expires on: — 21 July 2023 for category 8 in vitro diagnostic medical devices, — 21 July 2024 for category 11.	8类体外诊断医疗装置 2023年7月21日到期。 11类 2024年7月21日到期。
33	Lead in solders for the soldering of thin copper wires of 100 µm diameter and less in power transformers	用于焊接电力变压器中直径在100 µm以下的细铜线所用的焊料中的铅	Expires on: 21 July 2016 for categories 1-7 and 10; 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; 21 July 2023 for category 8 in vitro diagnostic medical devices; 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	到期: 2016年7月21日 (类别1-7和10); 2021年7月21日, 除体外诊断医疗器械和工业监测控制仪器外的第8类和第9类; 第8类体外诊断医疗器械2023年7月21日; 第9类工业监测和控制仪器以及第11类工业监测和控制仪器为2024年7月21 日。
34	Lead in cermet-based trimmer potentiometer elements	主要为合金陶瓷的修整器电位差计中, 组件里的铅		
36	Mercury used as a cathode sputtering inhibitor in DC plasma displays with a content up to 30 mg per display	DC等离子显示器中, 用作阴极溅射抑制剂的汞, 其含量为不足30mg/显示器	Expired on 1 July 2010	2010年7月1日到期

附表 I -A: RoHS指令 豁免清单 附录III

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
37	Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body	硼酸锌玻璃体基板上高压二极管的电镀层中的铅	Expires on: — 21 July 2021 for categories 1-7 and 10; — 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; — 21 July 2023 for category 8 in vitro diagnostic medical devices; — 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	适用种类1~7及10, 2021年7月21日到期。 8,9类(体外诊断医疗装置、工业用监视控制装置以外) 2021年7月21日到期。 8类体外诊断医疗装置 2023年7月21日到期。 9类工业监控设备和11类 2024年7月21日到期。
38	Cadmium and cadmium oxide in thick film pastes used on aluminium bonded beryllium oxide	用于和氧化铍接合的铝的厚膜浆料中的镉及氧化镉	Expires on: 21 July 2016 for categories 1-7 and 10; 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; 21 July 2023 for category 8 in vitro diagnostic medical devices; 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	到期: 2016年7月21日(类别1-7和10); 2021年7月21日, 除体外诊断医疗器械和工业监测控制仪器外的第8类和第9类; 第8类体外诊断医疗器械2023年7月21日; 第9类工业监测和控制仪器以及第11类工业监测和控制仪器为2024年7月21日。
39(a)	Cadmium selenide in downshifting cadmium-based semiconductor nanocrystal quantum dots for use in display lighting applications (< 0,2 µg Cd per mm ² of display screen area)	用于显示屏照明的低镉类半导体纳米结晶量子点阵中的硒化镉(每平方毫米显示屏面积<0.2 µg Cd)		
40	Cadmium in photoresistors for analogue optocouplers applied in professional audio equipment	专业的声频设备中使用的模拟光耦合器用光敏电阻器中的镉	Expires on 31 December 2013	2013年12月31日到期
41	Lead in solders and termination finishes of electrical and electronic components and finishes of printed circuit boards used in ignition modules and other electrical and electronic engine control systems, which for technical reasons must be mounted directly on or in the crankcase or cylinder of hand-held combustion engines (classes SH:1, SH:2, SH:3 of Directive 97/68/EC of the European Parliament and of the Council (2))	在便携发动机的气缸(指令97/68/EC的级别SH:1、SH:2、SH:3)或者曲轴箱上, 因为技术原因直接或间接安装的点火装置、其他电气电子发动机控制系统上利用的印刷基板的修饰、电气电子零部件的终端修饰或者焊锡中的铅	Applies to all categories and expires on: — 31 March 2022 for categories 1 to 7, 10 and 11; — 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; — 21 July 2023 for category 8 in vitro diagnostic medical devices; — 21 July 2024 for category 9 industrial monitoring and control instruments.	适用于所有类别。 类别1-7、10、11 2022年3月31日到期。 类别8、9中的体外诊断医疗装置及工业用监视控制装置以外 2021年7月21日到期。 类别8的体外诊断医疗装置 2023年7月21日到期。 类别9的工业用监视控制装置 2024年7月21日到期。
42	Lead in bearings and bushes of diesel or gaseous fuel powered internal combustion engines applied in non-road professional use equipment: — with engine total displacement ≥ 15 litres; — or — with engine total displacement < 15 litres and the engine is designed to operate in applications where the time between signal to start and full load is required to be less than 10 seconds; or regular maintenance is typically performed in a harsh and dirty outdoor environment, such as mining, construction, and agriculture applications.	适用于非道路商用装置的内燃发动机带动的柴油、气体燃料的轴承和衬套中的铅。 -发动机总排量达到15 L以上 或 -适用于总排量小于15 L且起始发动机与总负荷之间的发动机小于10秒的应用;或者适用于苛刻的室外环境, 如采矿业、建筑业和农业业。		

附表 I -A: RoHS指令 豁免清单 附录III

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
43	Bis(2-ethylhexyl) phthalate in rubber components in engine systems, designed for use in equipment that is not intended solely for consumer use and provided that no plasticised material comes into contact with human mucous membranes or into prolonged contact with human skin and the concentration value of bis(2-ethylhexyl) phthalate does not exceed: (a) 30 % by weight of the rubber for (i) gasket coatings; (ii) solid-rubber gaskets; or (iii) rubber components included in assemblies of at least three components using electrical, mechanical or hydraulic energy to do work, and attached to the engine. (b) 10 % by weight of the rubber for rubber- containing components not referred to in point (a). For the purposes of this entry, '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.	设计用于不是专门为消费者使用的设备，其发动机橡胶部件中的邻苯二甲酸二（2-乙基）己酯（DEHP），且该部件不与人体黏膜接触或不与皮肤长期接触，其DEHP浓度不超过： (a) 30 %（w/w），针对以下橡胶件 (i) 垫圈涂层； (ii) 固体橡胶垫圈，或 (iii) 用于组件中的橡胶部件，该组件至少有三个部件是利用电能、机械能或者液压能工作的，且连接到发动机。 (b) 10 %（w/w），针对不属于第(a)段的含有橡胶的组件。 该条款中“长期接触皮肤”是指每天连续接触皮肤超过10分钟或者间歇性接触皮肤超过30分钟。	Applies to category 11 and expires on 21 July 2024.	11类 2024年7月21日到期。
44	Lead in solder of sensors, actuators, and engine control units of combustion engines within the scope of Regulation (EU) 2016/1628 of the European Parliament and of the Council (4), installed in equipment used at fixed positions while in operation which is designed for professionals, but also used by non-professional users	在欧洲议会和理事会法规(EU) 2016/1628(*)定义范围内的传感器、制动器、内燃机的发动机控制单元中的焊锡中的铅，安装在固定位置的设备中，为专业人士设计但也供非专业用户使用。		
45	Lead diazide, lead styphnate, lead dipicramate, orange lead (lead tetroxide), lead dioxide in electric and electronic initiators of explosives for civil (professional) use and barium chromate in long time pyrotechnic delay charges of electric initiators of explosives for civil (professional) use	用于土木施工(专业人士)炸药的电气、电子式导爆管的叠氮化铅(II)、史蒂芬酸铅、苦味酸铅、铅橙（四氧化铅）、二氧化铅、以及用于土木施工(专业人士)炸药的电气式导爆管中的延期药剂的铬酸钡	Applies to category 11 and expires on 20 April 2026	适用于类别11。 2026/4/20到期。
46	Cadmium and lead in plastic profiles containing mixtures produced from polyvinyl chloride waste (hereinafter referred to as 'recovered rigid PVC'), used for electrical and electronic windows and doors, where the concentration in the recovered rigid PVC material does not exceed 0,1 % cadmium by weight and 1,5 % lead by weight. From 28 May 2026, rigid PVC recovered from electrical and electronic windows and doors shall only be used for the production of new articles under the categories specified in entry 63, points 18(a) to (d) of Annex XVII to Regulation (EC) No 1907/2006. 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.	用于制造电气和电子门窗的塑料型材中，含有由聚氯乙烯废料（以下简称“回收硬质PVC”）制成的混合物，其中镉和铅的含量不得超过0.1%（重量百分比）和1.5%（重量百分比）。 自2026年5月28日起，从电气和电子门窗中回收的硬质PVC仅可用于生产符合(EC) No 1907/2006号条例附件十七第63项第18(a)至(d)点所列类别的新产品。 铅含量等于或大于0.1%（重量百分比）的回收硬质PVC制品的供应商，应确保在将这些制品投放市场前，以清晰可见、易于辨认且不易褪色的方式标明“含铅量≥0.1%”的字样。如果由于产品性质原因无法在产品本身上进行标记，则应在产品的包装上进行标记。 含有回收硬质PVC的PVC制品供应商应根据国家执法机构的要求提交文件证据，以证实关于产品中PVC回收来源的声明。对于在欧盟生产的PVC制品，可使用由可追溯性和回收成分证明体系（例如根据EN 15343:2007或同等认可标准制定的体系）颁发的证书来证实此类声明。对于进口产品，其关于PVC回收来源的声明应附有由独立第三方颁发的、提供同等可追溯性和回收成分证明的证书。	Applies to category 11 and expires on 28 May 2028.	适用于类别11。 2026/5/28到期。

附表 I -A: RoHS指令 豁免清单 附录III

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
	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.			

⁽¹⁾ OJ L 326, 29.12.1969, p. 36.

⁽²⁾ Directive 97/68/EC of the European Parliament and of the Council of 16 December 1997 on the approximation of the laws of the Member States relating to measures against the emission of gaseous and particulate pollutants from internal combustion engines to be installed in non-road mobile machinery (OJ L 59, 27.2.1998, p. 1).

⁽³⁾ Council Directive 69/493/EEC of 15 December 1969 on the approximation of the laws of the Member States relating to crystal glass (OJ L 326, 29.12.1969, p. 36).

⁽⁴⁾ Regulation (EU) 2016/1628 of the European Parliament and of the Council of 14 September 2016 on requirements relating to gaseous and particulate pollutant emission limits and type-approval for internal combustion engines for non-road mobile machinery, amending Regulations (EU) No 1024/2012 and (EU) No 167/2013, and amending and repealing Directive 97/68/EC (OJ L 252, 16.9.2016, p. 53).

附表 I-B: RoHS指令 豁免清单 附录IV

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
Equipment utilising or detecting ionising radiation (使用或检查电磁辐射的机器)				
1	Lead, cadmium and mercury in detectors for ionising radiation.	电离辐射探测器中的铅、镉、汞		
2	Lead bearings in X-ray tubes.	X射线管中的铅轴承		
3	Lead in electromagnetic radiation amplification devices: micro-channel plate and capillary plate.	电磁辐射放大装置中的铅:微通道板及毛细孔板		
4	Lead in glass frit of X-ray tubes and image intensifiers and lead in glass frit binder for assembly of gas lasers and for vacuum tubes that convert electromagnetic radiation into electrons.	X射线管的玻璃粉及成像增强器中的铅和气体激光组件以及将电磁辐射转换为电子的真空管的玻璃熔粉粘合剂中的铅		
5	Lead in shielding for ionising radiation.	电离辐射屏蔽铅		
6	Lead in X-ray test objects.	X射线试验对象物中的铅		
7	Lead stearate X-ray diffraction crystals.	硬脂酸铅X射线衍射晶体		
8	Radioactive cadmium isotope source for portable X-ray fluorescence spectrometers.	便携式X射线荧光分光仪用的放射性镉同位素源		
Sensors, detectors and electrodes (传感器、探测器、电极)				
1a	Lead and cadmium in ion selective electrodes including glass of pH electrodes.	含有pH电极的玻璃的离子选择电极中的铅和镉		
1b	Lead anodes in electrochemical oxygen sensors.	电化学氧传感器中的铅阳极		
1c	Lead, cadmium and mercury in infra-red light detectors.	红外照明探测器中的铅、镉和汞		
1d	Mercury in reference electrodes: low chloride mercury chloride, mercury sulphate and mercury oxide.	参考电极中的汞:低氯化汞氯化物、汞硫化物及汞氧化物		
Others (其他)				
9	Cadmium in helium-cadmium lasers.	氦-镉激光器中的镉		
10	Lead and cadmium in atomic absorption spectroscopy lamps.	原子吸收光谱灯中的铅和镉		
11	Lead in alloys as a superconductor and thermal conductor in MRI.	MRI中的超导体以及作为导热体的合金中的铅		
12	Lead and cadmium in metallic bonds creating superconducting magnetic circuits in MRI, SQUID, NMR (Nuclear Magnetic Resonance) or FTMS (Fourier Transform Mass Spectrometer) detectors	在MRI、SQUID、NMR、FTMS检测装置中形成超导磁路的金属结合中的铅和镉	Expires on 30 June 2021.	2021年6月30日到期。
13	Lead in counterweights.	平衡计数器(平衡锤)中的铅		
14	Lead in single crystal piezoelectric materials for ultrasonic transducers.	超声波变换器(传感器)用单晶压电材料中的铅		
15	Lead in solders for bonding to ultrasonic transducers.	超声波变换器粘结用焊锡中的铅		
16	Mercury in very high accuracy capacitance and loss measurement bridges and in high frequency RF switches and relays in monitoring and control instruments not exceeding 20 mg of mercury per switch or relay.	开关或每个继电器不超过20 mg的水银的监视控制仪中非常高精度的静电容量及损失计量桥式高频RF开关及继电器中的水银		
17	Lead in solders in portable emergency defibrillators.	便携式应急除颤器焊锡中铅		

附表 I-B: RoHS指令 豁免清单 附录IV

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
18	Lead in solders of high performance infrared imaging modules to detect in the range 8-14 μm .	用于8 -14 μm 范围检测的高性能红外成像模块焊锡中的铅		
19	Lead in Liquid crystal on silicon (LCoS) displays.	液晶硅片(LCoS)显示器中的铅		
20	Cadmium in X-ray measurement filters.	X射线测量过滤器中的镉		
21	Cadmium in phosphor coatings in image intensifiers for X-ray images until 31 December 2019 and in spare parts for X-ray systems placed on the EU market before 1 January 2020.	2019年12月31日之前在EU上市的X射线图像增强器中荧光涂层、以及2020年1月1日以前上市的X射线系统的备件中荧光涂层中的镉	Before 1 January 2020.	2019年12月31日到期。
22	Lead acetate marker for use in stereotactic head frames for use with CT and MRI and in positioning systems for gamma beam and particle therapy equipment.	在CT及MRI所使用的定位头框中,以及在伽马射线和粒子线治疗装置用的定位系统中所使用的醋酸铅标记	Expires on 30 June 2021.	2021年6月30日到期。
23	Lead as an alloying element for bearings and wear surfaces in medical equipment exposed to ionising radiation.	铅作为合金元素暴露于轴承和电离辐射的医疗器械的磨损表面	Expires on 30 June 2021.	2021年6月30日到期。
24	Lead enabling vacuum tight connections between aluminium and steel in X-ray image intensifiers.	在X射线图像增强器中真空密封连接铝和铁的铅	Expires on 31 December 2019.	2019年12月31日到期。
25	Lead in the surface coatings of pin connector systems requiring nonmagnetic connectors which are used durably at a temperature below - 20 ° C under normal operating and storage conditions.	在正常动作及保管条件在零下20度以下,需要永久使用的非磁性连接器的连接器系统的表面涂层中的铅	Expires on 30 June 2021.	2021年6月30日到期。
26	Lead in the following applications that are used durably at a temperature below - 20 ° C under normal operating and storage conditions: (a) solders on printed circuit boards; (b) termination coatings of electrical and electronic components and coatings of printed circuit boards; (c) solders for connecting wires and cables; (d) solders connecting transducers and sensors. Lead in solders of electrical connections to temperature measurement sensors in devices which are designed to be used periodically at temperatures below - 150 ° C.	通常的动作以及保管条件在零下20度以下的永久使用的以下的用途中的铅 • 印刷电路板焊料 • 电气电子部件的终端涂层及印刷基板涂层 • 电线和电缆的连接 • 传感器和传感器之间的连接 与设计为在-150° C以下定期使用的机器中的温度测量传感器电气连接的焊锡中的铅		
27	Lead in — solders, — termination coatings of electrical and electronic components and printed circuit boards, — connections of electrical wires, shields and enclosed connectors, which are used in (a) magnetic fields within the sphere of 1 m radius around the isocentre of the magnet in medical magnetic resonance imaging equipment, including patient monitors designed to be used within this sphere, or (b) magnetic fields within 1 m distance from the external surfaces of cyclotron magnets, magnets for beam transport and beam direction control applied for particle therapy.	• 焊料 • 电气电子部件的终端涂层及印刷基板涂层 • 连接电线、护罩和连接器 在以下场所使用时的上述中的铅 (a) 设计用于在包括患者监视器的医学磁共振成像装置中的磁性等中心半径1米内的磁场中 (b) 在距离用于粒子束治疗的回旋加速器磁铁的外表面和用于光束传输/光束仰角调节的磁铁半径1米范围内的磁场中使用	Expires on 30 June 2020.	2020年6月30日到期。
28	Lead in solders for mounting cadmium telluride and cadmium zinc telluride digital array detectors to printed circuit boards.	用于将碲化镉和碲化锌镉的数字阵列检测装置安装在印刷电路板上的焊锡中的铅	Expires on 31 December 2017.	2017年12月31日到期。

附表 I -B: RoHS指令 豁免清单 附录IV

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
29	Lead in alloys, as a superconductor or thermal conductor, used in cryo-cooler cold heads and/or in cryo-cooled cold probes and/or in cryo-cooled equipotential bonding systems, in medical devices (category 8) and/or in industrial monitoring and control instruments.	在医疗器械(类别8)和/或工业用监控设备的低温冷却器冷却头和/或低温冷却器冷却探针和/或低温冷却器等电位接合系统中使用的作为超导体或热导体的合金中的铅	Expires on 30 June 2021.	2021年6月30日到期。
30	Hexavalent chromium in alkali dispensers used to create photocathodes in X-ray image intensifiers until 31 December 2019 and in spare parts for X-ray systems placed on the EU market before 1 January 2020	在2019年12月31日之前在EU上市的X射线图像增强器中光电阴极生成中使用的碱性分配器中,以及在2020年1月1日之前在EU上市的X射线系统的备件中的六价铬	Before 1 January 2020	2019年12月31日到期。
31a	Lead, cadmium, hexavalent chromium, and polybrominated diphenyl ethers (PBDE) in spare parts recovered from and used for the repair or refurbishment of medical devices, including <i>in vitro</i> diagnostic medical devices, or electron microscopes and their accessories, provided that the reuse takes place in auditable closed-loop business-to-business return systems and that each reuse of parts is notified to the customer.	它是在可审计的BtoB闭环收集系统中进行的再利用,消费者被通知重用部件,并在2021年7月22日之前上市的8类产品中使用2014年7月22日之前从上市的医疗设备中回收的再利用备件中的铅,镉,六价铬		
32	Lead in solders on printed circuit boards of detectors and data acquisition units for Positron Emission Tomographs which are integrated into Magnetic Resonance Imaging equipment.	用于装配到磁共振成像设备中的正电子发射断层扫描(PET)的检测器和数据收集单元的印刷电路板上的焊锡中的铅	Expires on 31 December 2019.	2019年12月31日到期。
33	Lead in solders on populated printed circuit boards used in Directive 93/42/EEC class IIa and IIb mobile medical devices other than portable emergency defibrillators. Expires on 30 June 2016 for class IIa and on 31 December 2020 for class IIb.	除去指令93/42/EEC的等级IIa以及IIb的便携式紧急除颤器,在移动医疗设备中使用的印刷电路板上的焊锡中的铅		IIa级:至2016年6月30日 IIb级:至2020年12月31日
34	Lead as an activator in the fluorescent powder of discharge lamps when used for extracorporeal photopheresis lamps containing BSP (BaSi2O5:Pb) phosphors.	用作包括BSP (BaSi2O5:Pb)荧光体在内的体外循环光疗灯中使用的放电灯的荧光粉体的活性剂的铅	Expires on 22 July 2021.	2021/7/22到期。
35	Mercury in cold cathode fluorescent lamps for back-lighting liquid crystal displays, not exceeding 5 mg per lamp, used in industrial monitoring and control instruments placed on the market before 22 July 2017	2017年7月22日以前上市的工业用监视及控制机器所使用的灯不超过5 mg的液晶显示器背照灯用冷阴极荧光灯中的水银	Expires on 21 July 2024.	2024/7/21到期。
36	Lead used in other than C-press compliant pin connector systems for industrial monitoring and control instruments.	在工业用监视以及控制设备所使用的C按压以外的承诺接线头系统中使用的铅	Expires on 31 December 2020. May be used after that date in spare parts for industrial monitoring and control instruments placed on the market before 1 January 2021.	2020年12月31日到期。 2021年1月1日以前升级的工业监控和控制设备的备件将在上述日期后提供

附表 I-B: RoHS指令 豁免清单 附录IV

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
37	Lead in platinized platinum electrodes used for conductivity measurements where at least one of the following conditions applies: (a) wide-range measurements with a conductivity range covering more than 1 order of magnitude (e.g. range between 0,1 mS/m and 5 mS/m) in laboratory applications for unknown concentrations; (b) measurements of solutions where an accuracy of +/- 1 % of the sample range and where high corrosion resistance of the electrode are required for any of the following: (i) solutions with an acidity < pH 1; (ii) solutions with an alkalinity > pH 13; (iii) corrosive solutions containing halogen gas; (c) measurements of conductivities above 100 mS/m that must be performed with portable instruments.	在应用了以下条件中的至少一个的电导率测量仪中使用的铂电极中的铅 (a) 需要在实验室中进行的测量, 以测量未知浓度, 其电导率的测量范围大于1位数(示例:0.1 mS/m至5 mS/m) (b) 以样品范围±1%的精度测量电极的高耐腐蚀性 (i) pH<1的酸性 (ii) pH>13的碱性 (iii) 含卤素气体的腐蚀性 (c) 超过便携式设备必须进行的100 mS/m电导率的测量	Expires on 31 December 2025.	2025年12月31日到期
38	Lead in solder in one interface of large area stacked die elements with more than 500 interconnects per interface which are used in X-ray detectors of computed tomography and X-ray systems.	用于CT和X射线系统的X射线探测器中的、每个接口有超过500个互连的大面积叠层模具的接口焊锡中的铅	Expires on 31 December 2019. May be used after that date in spare parts for CT and X-ray systems placed on the market before 1 January 2020.	2019年12月31日到期。 2020年1月1日以前升级的CT和X射线系统的备件将在上述日期后提供
39	Lead in micro-channel plates (MCPs) used in equipment where at least one of the following properties is present: (a) a compact size of the detector for electrons or ions, where the space for the detector is limited to a maximum of 3 mm/MCP (detector thickness + space for installation of the MCP), a maximum of 6 mm in total, and an alternative design yielding more space for the detector is scientifically and technically impracticable; (b) a two-dimensional spatial resolution for detecting electrons or ions, where at least one of the following applies: (i) a response time shorter than 25 ns; (ii) a sample detection area larger than 149 mm ² ; (iii) a multiplication factor larger than $1,3 \times 10^3$. (c) a response time shorter than 5 ns for detecting electrons or ions; (d) a sample detection area larger than 314 mm ² for detecting electrons or ions; (e) a multiplication factor larger than $4,0 \times 10^7$.	在要求以下特性中至少1个的机器上使用的微通道板(MCP)中的铅 (a) 由于空间限制, 电子或离子探测器必须是紧凑型的。 • 每MCP (探测器厚度+MCP安装空间)最大3毫米 并且, • 总计最大6毫米 并且, • 在科学和技术上难以进行用于确保探测器空间的替代设计 (b) 电子或离子检测的二维分辨率至少符合以下要求 (i) 需要比25纳秒更短的响应时间 (ii) 需要大于149 mm ² 的样本检测区域 (iii) 需要大于 $1,3 \times 10^3$ 的3次方的乘数系数时 (c) 电子或离子检测的响应时间<5纳秒 (d) 电子或离子检测的样本检测区域大于314 mm ² (e) 需要大于 $4,0 \times 10^7$ 的7次方的乘数系数时		
40	Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC for industrial monitoring and control instruments.	工业监控仪器使用的交流电压低于125 V、直流电压低于250 V的电容器中电介质陶瓷中的铅	Expires on 31 December 2020. May be used after that date in spare parts for industrial monitoring and control instruments placed on the market before 1 January 2021.	2020年12月31日到期。 2021年1月1日以前升级的工业监控和控制设备的备件将在上述日期后提供

附表 I -B: RoHS指令 豁免清单 附录IV

No.	豁免项目	(中文参考译文)	适用范围/期限	(中文参考译文)
41	Lead as a thermal stabiliser in polyvinyl chloride (PVC) used as base material in amperometric, potentiometric and conductometric electrochemical sensors which are used in in-vitro diagnostic medical devices for the analysis of blood and other body fluids and body gases.	用于分析血液及其他体液、体气的体外诊断用医疗器械中的电流测定、电位差测定、电导测定的电化学传感器的基板PVC中作为热稳定剂的铅	Expires on 31 March 2022.	2022年3月31日到期
42	Mercury in electric rotating connectors used in intravascular ultrasound imaging systems capable of high operating frequency (> 50 MHz) modes of operation.	在具有高频率(>50 MHz)模式的血管内超声成像系统中使用的电动旋转连接器中的汞	Expires on 30 June 2019.	2019年6月30日到期。
43	Cadmium anodes in HerschC19:C53+C49:C53 cells for oxygen sensors used in industrial monitoring and control instruments, where sensitivity below 10 ppm is required.	在用于工业监测和控制设备中使用的氧气传感器的辐射热室中的镉阳极, 其灵敏度低于10 ppm	Expires on 15 July 2023.	2023年7月15日到期。
44	Cadmium in radiation tolerant video camera tubes designed for cameras with a centre resolution greater than 450 TV lines which are used in environments with ionising radiation exposure exceeding 100 Gy/hour and a total dose in excess of 100kGy.	用于具有超过450 TV中心分辨率的摄像机的抗辐射摄像机管中的镉, 其用于电离辐射暴露超过每小时100 Gy且总剂量超过100 KGy的环境	Applies to category 9. Expires on 31 March 2027.	9类 2027年3月31日到期。
45	Bis(2-ethylhexyl) phthalate (DEHP) in ion-selective electrodes applied in point of care analysis of ionic substances present in human body fluids and/or in dialysate fluids		Expires on 21 July 2028.	2028年7月21日到期。
46	Bis(2-ethylhexyl) phthalate (DEHP) in plastic components in MRI detector coils.		Expires on 1 January 2024.	2024年1月1日到期。
47	Bis(2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP) in spare parts recovered from and used for the repair or refurbishment of medical devices, including in vitro diagnostic medical devices, and their accessories, provided that the reuse takes place in auditable closed-loop business-to-business return systems and that each reuse of parts is notified to the customer.		Expires on 21 July 2028.	2028年7月21日到期。
48	Lead in bismuth strontium calcium copper oxide (BSCCO) superconductor cables and wires and lead in electrical connections to these wires		Expires on 30 June 2027.	2027年6月30日到期。
49	Mercury in melt pressure transducers for capillary rheometers at temperatures over 300 °C and pressures over 1 000 bar		Applies to category 9 and expires on 31 December 2025.	9类 2025年12月31日到期。

表3：管理对象物质

在以下法律法规等所规定的物质中，除表1（禁止物质）、表2（限制物质）以外的物质即为管理对象物质，在产品中含有、产品制造过程中使用这些物质时，应掌握数据，对其进行管理。

No.	法律法规等的名称
3-1	PRTR法：特定第一种指定化学品
3-2	PRTR法：第一种指定化学品
3-3	关于化学品的审查及制造等的限制的法律：第二种特定化学品
3-4	毒物及剧毒物取缔法：有毒物质
3-5	欧洲REACH规则：认可对象候补物质（SVHC）
3-6	欧洲REACH规则：认可对象物质（附录X IV） 限制物质（附录X VII）
3-7	欧洲REACH规则：限制物质（附录X VII）
3-8	汽车行业标准：G A D S L 注1
3-9	电器・电子行业标准：chemSHERPA管理对象物质 注2

注1 GADSL：Global Automotive Declarable Substance List（全球汽车申报物质清单）的简称。

Global Automotive Stakeholder Group（全球汽车相关利益者团体，GASG）制定的汽车行业标准的需要申报物质清单

注2 chemSHERPA管理对象物质：JAMP（物品管理推进协会）制定的标准的需要申报物质清单。