

EDAC (Dongguan) Limited

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REACH Statement

The European Union's REACH Directive (EC 1907/2006) is designed to regulate the Registration, Evaluation, Authorization and Restriction of Chemical Substances. REACH legislation was finalized in December 2006 and has been in effect since June 2007.

In an effort to address the requirements of the REACH regulation and ensure a reliable ongoing supply of EDAC parts, EDAC (Dongguan) Limited has contacted suppliers to confirm all necessary registration of in-scope substances in formulations, preparations, materials or articles be completed by the REACH deadlines. In addition, suppliers have been requested to assess the potential presence of Substances of Very High Concern (SVHC) due to the extension of the 219 REACH SVHCs as updated by ECHA on July 8, 2021. The 219 SVHC substances listed here are not intentionally added or used in the manufacture of EDAC (Dongguan) Limited products.

As EDAC (Dongguan) Limited does not intentionally add SVHC and based on the "article" criteria in the REACH regulation, all articles manufactured by EDAC (Dongguan) limited are interpreted to be exempt from substance regulation and therefore compliant with the REACH regulation.

See following pages for SVHC list.

Engineering Director: Victor Lin

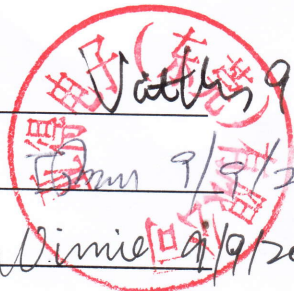
Signed/date: _____

Supplier chain Manager: Isbell Wei

Signed/date: _____

Quality Manager: Winnie Zhang

Signed/date: _____



Victor Lin 9/9/2021
Isbell Wei 9/9/2021
Winnie Zhang 9/9/2021

高度关注物质符合性声明 (REACH)
Substances of Very High Concern (SVHC) Declaration (REACH)

The undersigned hereby affirms/certify all parts, components and finished products supplied to EDAC are free or less than threshold of the REACH (SVHC) designated below, does not intentionally add SVHC. Otherwise please indicate the concentration and purpose.

我司就此声明：所有出货给EDAC（亚得电子）的物料，元件以及成品都不含有或不超过0.1%（W/W）如下的SVHC，并未有意添加如下SVHC。若有意添加请注明其含量和用途。

SVHC候选物质列表

发布时间：2021年7月9日。
注：本表数据来源于ECHA官方网站。

| 序号 | Substance name | 物质名称 | 类别 | CAS No. | EC No. | Reason for inclusion | uses | 用途 | 加入SVHC列表时间 |
|----|--|------------------------|-----|---|--|---|---|---------------------|------------|
| 1 | 4,4'- Diaminodiphenylmethane (MDA) | 4,4'-二氨基二苯基甲烷 | | 101-77-9 | 202-974-4 | Carcinogenic (Article 57a) | Intermediate for polyurethanes; Hardeners for epoxy resins and adhesives; Intermediate for manufacture of high-performance polymers | 染料，粘合剂的硬化剂 | 28/10/2008 |
| 2 | 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene) | 二甲苯麝香 | | 81-15-2 | 201-329-4 | vPvB (Article 57e) | Fragrance in: Cosmetic products; Also in detergents, fabric softeners, household cleaning products etc. | 化妆品、洗涤剂等的芳香剂 | 28/10/2008 |
| 3 | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 短链氯化石蜡 (SCCPs, C10-13) | | 85535-84-8 | 287-476-5 | PBT (Article 57d) vPvB (Article 57e) | Flame retardants in textiles and rubber; in paints, sealants and adhesives | 纺织品和橡胶阻燃剂 | 28/10/2008 |
| 4 | Anthracene | 蒽 | | 120-12-7 | 204-371-1 | PBT (Article 57d) | As contaminant in plasticiser oils or black pigments (soot); intermediate of anthraquinone, used in dye production or wood pulp production. | 生产染料或木质纸浆 | 28/10/2008 |
| 5 | Benzyl butyl phthalate (BBP) | 邻苯二甲酸丁基苯酯 (BBP) | 邻苯 | 85-68-7 | 201-622-7 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health) | Adhesives, sealants and coating products | 聚合物增塑剂、粘合剂、密封胶、涂层产品 | 28/10/2008 |
| 6 | Bis (2-ethylhexyl)phthalate (DEHP) | 邻苯二甲酸二(2-乙基己基)酯 | 邻苯 | 117-81-7 | 204-211-0 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | Used as a plasticiser in polymers, such as PVC | 聚合物增塑剂，如PVC材质 | 28/10/2008 |
| 7 | Bis(tributyltin) oxide (TBTO) | 三丁基氧化锡 (TBTO) | | 56-35-9 | 200-268-0 | PBT (Article 57d) | Biocide eg. in anti-fouling paint for ships and leisure boats; polymers used in flooring, tiles & carpeting; Backcoating of upholstery textiles; Treatment of feather and dow | 防油污漆杀菌剂 | 28/10/2008 |
| 8 | Cobalt dichloride | 二氯化钴 | 金属项 | 7646-79-9 | 231-589-4 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | Gas absorber; dye mordant in painted glass; dolid lubricant in cutting tools; invisible inks; drying agent in paints, varnish, ink; production of non-ferrous metals (esp nickel); electroplating (jewellery, keys, buckles); additive in rubber production | 温度计等的湿度指示剂；彩色玻璃媒染剂 | 28/10/2008 |
| 9 | Diarsenic pentaoxide | 五氧化二砷 | 金属项 | 1303-28-2 | 215-116-9 | Carcinogenic (Article 57a) | dying industry; metallurgy (harden copper, lead, gold); Special glasses; Wood preservative | 染料；冶金；特种玻璃；木材防腐剂 | 28/10/2008 |
| 10 | Diarsenic trioxide | 三氧化二砷 | 金属项 | 1327-53-3 | 215-481-4 | Carcinogenic (Article 57a) | decolorizing agent for glass and enamels; glass and lead crystal; wood preservative | 玻璃、珐琅脱色剂；木材防腐剂 | 28/10/2008 |
| 11 | Dibutyl phthalate (DBP) | 邻苯二甲酸二丁酯 (DBP) | 邻苯 | 84-74-2 | 201-557-4 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health) | Used as a plasticiser in polymers, such as PVC | 聚合物增塑剂，如PVC材质 | 28/10/2008 |
| 12 | Hexabromocyclododecane (HBCDD) gamma-hexabromocyclododecane beta-hexabromocyclododecane Hexabromocyclododecane 1,2,5,6,9,10-hexabromocyclododecane alpha-hexabromocyclododecane | 六溴环十二烷 (HBCDD) | | - 134237-52-8 134237-51-7 25637-99-4 3194-55-6 134237-50-6 | - - - 247-148-4 221-695-9 - | PBT (Article 57d) | Flame retardant; mainly in polystyrene; Also in flame-retardant textiles and E&E products. | 塑胶产品阻燃剂 | 28/10/2008 |
| 13 | Lead hydrogen arsenate | 砷酸氢铅 | 金属项 | 7784-40-9 | 232-064-2 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | Glass goods; Glass beads for road markings; Plastic/PVC products ; Electrical and electronic equipment; Textiles and Cosmetics; Wood preservatives; also used in sealants, adhesives, paints, inks and lacquers. | 存在于玻璃、塑料制品；EEE设备等 | 28/10/2008 |
| 14 | Sodium dichromate | 重铬酸钠 | 金属项 | 10588-01-9, 7789-12-0 | 234-190-3 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) | Manufacture of other chromium compounds or pigments; Metal finishing for corrosion resistance; Coloured glass and ceramic glazes; Mordant in dyeing; Manufacture of essential oil and perfumes | 生产其他铬化合物或颜料；金属抗腐蚀剂 | 28/10/2008 |
| 15 | Triethyl arsenate | 三乙基砷酸酯 | 金属项 | 15606-95-8 | 427-700-2 | Carcinogenic (Article 57a) | Glass goods; Plastic/PVC products ; Electrical and electronic equipment; Textiles and Cosmetics; Wood preservative & pesticides | 存在于玻璃；塑料制品；EEE产品等 | 28/10/2008 |

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|----|---|---------------------|-----|------------|-----------|--|--|--|------------|
| 16 | 2,4-dinitrotoluene | 2,4-二硝基甲苯 | | 121-14-2 | 204-450-0 | Carcinogenic (Article 57a) | Used to produce toluene diisocyanate, which is used for the manufacture of flexible polyurethane foams. Andalso used as gelatinizing-plasticizing agent to produce explosive mixtures (e.g. for airbags in cars). | 生产苯二异氰酸酯; 爆发性混合物塑化剂 | 13/01/2010 |
| 17 | Anthracene oil | 蒽油 | | 90640-80-5 | 292-602-7 | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | Used to produce anthracene and carbon black etc. They may also be used as reducing agents in blast furnances, as components in bunker fuel, for impregnating, sealing and corrosion protection. | 生产蒽和炭黑; 冶炼高炉中的还原剂; 作为煤仓中的一部分用以灌注、密封和防止腐蚀 | 13/01/2010 |
| 18 | Anthracene oil, anthracene paste | 蒽油, 蒽糊 | | 90640-81-6 | 292-603-2 | Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e) | | | 13/01/2010 |
| 19 | Anthracene oil, anthracene paste, anthracene fraction | 蒽油, 蒽糊, 蒽馏分 | | 91995-15-2 | 295-275-9 | Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e) | | | 13/01/2010 |
| 20 | Anthracene oil, anthracene paste, distn. lights | 蒽油, 蒽糊, 轻油 | | 91995-17-4 | 295-278-5 | Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e) | | | 13/01/2010 |
| 21 | Anthracene oil, anthracene-low | 蒽油, 含量少 | | 90640-82-7 | 292-604-8 | Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e) | | | 13/01/2010 |
| 22 | Diisobutyl phthalate | 邻苯二甲酸二异丁酯 (DIBP) | 邻苯 | 84-69-5 | 201-553-2 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health) | Coating products, fillers, putties, plasters, modelling clay and polymers | 塑胶产品增塑剂; 涂层产品、填充料、腻子、膏药和造型粘土 | 13/01/2010 |
| 23 | Lead chromate | 铬酸铅 | 金属项 | 7758-97-6 | 231-846-0 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | Used for manufacturing pigments and dyes, as a pigment or coating agent in industrial and maritime paint products or for embalming/restoring of art products. And also detergents, bleaches, photosensitive materials and pyrotechnic powder. | 制造颜料和染料 | 13/01/2010 |
| 24 | Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 钼铬红 (C. I. 颜料红 104) | 金属项 | 12656-85-8 | 235-759-9 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | Used as a colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries. Applications comprise the production of agricultural equipment, vehicles and aircraft as well as road and airstrip painting. The substance is further used for camouflage or ammunition marking in the defence area. | 作为染料, 用于橡胶、塑料、涂料和油漆行业 | 13/01/2010 |
| 25 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 铅铬黄 (C. I. 颜料黄 34) | 金属项 | 1344-37-2 | 215-693-7 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | Used as a colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries. Applications comprise the production of agricultural equipment, vehicles and aircraft as well as road and airstrip painting. The substance is further used for camouflage or ammunition marking in the defence area. | 作为染料, 用于橡胶、塑料、涂料和油漆行业 | 13/01/2010 |
| 26 | Pitch, coal tar, high-temp. | 煤焦油沥青, 高温 | | 65996-93-2 | 266-028-2 | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | Used to produce electrodes for industrial applications. Smaller volumes are dedicated to specific uses such as heavy duty corrosion protection, special purpose paving, and the production of clay targets. | 工业电极防腐; 铺设路面; 飞碟靶制造 | 13/01/2010 |
| 27 | Tris(2-chloroethyl) phosphate | 磷酸三(2-氯乙基)酯 (TCEP) | | 115-96-8 | 204-118-5 | Toxic for reproduction (Article 57c) | Mainly used as an additive plasticiser and viscosity regulator with flame-retarding properties for acrylic resins, polyurethane, polyvinyl chloride and other polymers. And also adhesives, coatings, flame resistant paints and varnishes, used as the furniture, the textile and the building industry. | 聚合物的添加塑剂、粘度调节剂或阻燃剂 | 13/01/2010 |
| 28 | Acrylamide | 丙烯酰胺 | | 79-06-1 | 201-173-7 | Carcinogenic (Article 57a) Mutagenic (Article 57b) | Acrylamide is almost exclusively used for the synthesis of polyacrylamides, which are used in various applications, in particular in waste water treatment and paper processing. Minor uses of acrylamide comprise the preparation of polyacrylamide gels for research purposes and as a grouting agent in civil engineering. | 生产聚丙烯酰胺或聚丙烯酰胺凝胶 | 30/03/2010 |
| 29 | Ammonium dichromate | 重铬酸铵 | 金属项 | 7789-09-5 | 232-143-1 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) | Oxidising agent; Laboratory (analytical agent);Tanning of leather Manufacture of textiles; Manufacture of photosensitive screens (cathode ray tubes);Metal treatment | 氧化剂; 实验室用试剂; 皮革鞣制; 金属处理 | 18/06/2010 |
| 30 | Boric acid | 硼酸 | 金属项 | - | - | Toxic for reproduction (Article 57c) | Uses include a multitude of applications, e.g., in biocides and preservatives, personal care products, food additives, glass, ceramics, rubber, fertilisers, flame retardants, paints, industrial | 生物杀灭剂; 防腐剂; 个人护理产品; 食品添加剂等 | 18/06/2010 |
| | Boric acid, crude natural | | | 11113-50-1 | 234-343-4 | | | | |
| | Boric acid | | | 10043-35-3 | 233-139-2 | | | | |

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|----|---|---------------------------------------|-----|--|-----------|---|--|---|------------|
| 31 | Disodium tetraborate, anhydrous | 四硼酸钠, 无水 | 金属项 | 12179-04-3, 1303-96-4, 1330-43-4 | 215-540-4 | Toxic for reproduction (Article 57c) | Uses include a multitude of applications, e.g. in glass and glass fibres, ceramics, detergents and cleaners, personal care products, industrial fluids, metallurgy, adhesives, flame retardants, biocides, fertilizers. | 玻璃及玻璃纤维; 陶瓷; 洗涤剂及清洁剂; 个人护理产品 | 18/06/2010 |
| 32 | Potassium chromate | 铬酸钾 | 金属项 | 7789-00-6 | 232-140-5 | Carcinogenic (Article 57a) Mutagenic (Article 57b) | Treatment and coating of metals; Manufacture of reagents and chemicals; Manufacture of textiles; Colouring agent in ceramics; Tanning and dressing of leather; Manufacture of pigments/inks; Laboratory (analytical reagent); Pyrotechnics | 金属及镀层处理; 生产化学品; 生产纺织品; 陶瓷着色剂; 皮革鞣制及敷料; 生产颜料及油墨 | 18/06/2010 |
| 33 | Potassium dichromate | 重铬酸钾 | 金属项 | 7778-50-9 | 231-906-6 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) | Chrome metal manufacturing; Treatment and coating of metals; Manufacture of reagents and chemicals; Laboratory (analytical agent); Cleaning of laboratory glassware; Tanning of leather; Manufacture of textiles; Photolithography; Wood treatment; Corrosion inhibitor in cooling systems | 生产金属铬; 金属处理及镀层; 生产化学试剂; 皮革鞣制; 生产纺织品; 防腐剂 | 18/06/2010 |
| 34 | Sodium chromate | 铬酸钠 | 金属项 | 7775-11-3 | 231-889-5 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) | Laboratory (analytical agent); Manufacture of other chromium compounds | 试验用分析试剂; 生产其它含铬化合物 | 18/06/2010 |
| 35 | Tetraboron disodium heptaoxide, hydrate | 四硼酸钠, 水合物 | 金属项 | 12267-73-1 | 235-541-3 | Toxic for reproduction (Article 57c) | Uses include a multitude of applications, e.g. in glass and glass fibres, ceramics, detergents and cleaners, personal care products, industrial fluids, metallurgy, adhesives, flame retardants, biocides, fertilizers. | 玻璃及玻璃纤维; 陶瓷; 洗涤剂及清洁剂; 个人护理产品 | 18/06/2010 |
| 36 | Trichloroethylene | 三氯乙烯 | | 79-01-6 | 201-167-4 | Carcinogenic (Article 57a) | Cleaning and degreasing of metal parts; Solvent in adhesives; Intermediate in the manufacture of chlorinated and fluorinated organic compounds | 金属部件清洗剂; 黏合剂中的溶剂; 氯氟有机物的中间体 | 18/06/2010 |
| 37 | 2-ethoxyethanol | 乙二醇单乙醚 | | 110-80-5 | 203-804-1 | Toxic for reproduction (Article 57c) | Mainly used as a chemical intermediate. Further minor uses are as a solvent or a laboratory chemical. | 化学中间体, 溶剂以及化学试剂 | 15/12/2010 |
| 38 | 2-methoxyethanol | 乙二醇单甲醚 | | 109-86-4 | 203-713-7 | Toxic for reproduction (Article 57c) | Mainly used as a chemical intermediate. Further minor uses are as a solvent or a laboratory chemical. | 化学中间体, 溶剂以及化学试剂 | 15/12/2010 |
| 39 | Acids generated from chromium trioxide and their oligomers | 从三氧化铬产生的酸类以及它们的齐聚物; 铬酸、重铬酸、铬酸和重铬酸的齐聚物 | 金属项 | - | - | Carcinogenic (Article 57a) | Acids generated from chromium trioxide and their oligomers are mainly used in metal finishing, such as electroplating (e.g. hard chrome and decorative plating), conversion coatings and brightening. It is also used as a fixing agent in waterborne wood preservatives. Minor uses are e.g. in the manufacture of pigments and paints, in catalyst and detergent manufacture, and as an oxidising agent. | 金属表面处理如电镀、转化涂层和增亮; 也被用作水溶性木材防腐剂的添加溶剂 | 15/12/2010 |
| | Oligomers of chromic acid and dichromic acid | | | - | - | | | | |
| | Chromic acid | | | 13530-68-2 | 231-801-5 | | | | |
| | Dichromic acid | | | 7738-94-5 | 236-881-5 | | | | |
| 40 | Chromium trioxide | 三氧化铬 | 金属项 | 1333-82-0 | 215-607-8 | Carcinogenic (Article 57a) Mutagenic (Article 57b) | Chromium trioxide is mainly used in metal finishing, such as electroplating (e.g. hard chrome and decorative plating), conversion coatings and brightening. It is also used as a fixing agent in waterborne wood preservatives. Minor uses are e.g. in the manufacture of pigments and paints, in catalyst and detergent manufacture, and as an oxidising agent. | 主要用于金属表面处理和木生性木材的防腐; 少量用于染料、催化剂、清洁剂的制造, 以及用作氧化剂 | 15/12/2010 |
| 41 | Cobalt(II) carbonate | 碳酸钴 | 金属项 | 513-79-1 | 208-169-4 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | Cobalt(II) carbonate is mainly used in the manufacture of catalysts. Minor uses may include as a feed additive, in the manufacture of other chemicals including pigments, and as an adhesive in ground coat frit. | 主要用于生产催化剂; 少量用作是饲料添加剂、生产其它化学试剂、颜料以及黏合(在玻璃料表明黏合) | 15/12/2010 |
| 42 | Cobalt(II) diacetate | 醋酸钴 | 金属项 | 71-48-7 | 200-755-8 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | Cobalt(II) diacetate is mainly used in the manufacture of catalysts or as a catalyst. Minor uses may include the manufacture of other chemicals including pigments, surface treatments, in alloys, dyes, rubber adhesion, and as a feed additive. | 主要用于生产催化剂; 少量用于生产其它化学试剂、表面处理、合金、生产颜料、染料、橡胶黏合以及饲料添加剂 | 15/12/2010 |
| 43 | Cobalt(II) dinitrate | 硝酸钴 | 金属项 | 10141-05-6 | 233-402-1 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | Cobalt(II) dinitrate is mainly used in the manufacture of other chemicals including catalysts. Further applications may include surface treatment and in batteries. | 用于生产其它化学试剂以及催化剂, 其他应用包括表面处理及电池 | 15/12/2010 |
| 44 | Cobalt(II) sulphate | 硫酸钴 | 金属项 | 10124-43-3 | 233-334-2 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | Cobalt(II) sulphate is mainly used in the manufacture of other chemicals including pigments and possibly catalysts, driers. Further applications comprise surface treatments (such as electroplating), corrosion prevention, decolourisation (in glass, pottery), in batteries, animal food supplements and soil fertilizers. | 用于生产其它化学试剂, 其他应用包括生产催化剂、干燥剂、表面处理、抗腐蚀、生产颜料、脱色(在玻璃和陶瓷中)、电池等 | 15/12/2010 |
| 45 | 1,2,3-trichloropropane | 1, 2, 3-三氯丙烷 | | 96-18-4 | 202-486-1 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | Mainly used as intermediate in the manufacture of chlorinated solvents and agricultural products. It is also used as monomer. | 主要用于清洁剂、油漆稀释剂、杀虫剂、树脂和胶水等 | 20/06/2011 |
| 46 | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 邻苯二甲酸二C6-8支链烷基酯(C7富) | 邻苯 | 71888-89-6 | 276-158-1 | Toxic for reproduction (Article 57c) | Main uses in the past were as plasticiser in PVC and in sealants, coatings and potentially printing inks. | 聚合物增塑剂 | 20/06/2011 |
| 47 | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 1,2-苯二甲酸--二(C7-11支链与直链) | 邻苯 | 68515-42-4 | 271-084-6 | Toxic for reproduction (Article 57c) | Main uses in the past were as plasticiser in PVC, foam, adhesives and coatings. | 聚合物增塑剂 | 20/06/2011 |
| 48 | 1-Methyl-2-pyrrolidone (NMP) | N-甲基吡咯烷酮 | | 872-50-4 | 212-828-1 | Toxic for reproduction (Article 57c) | It is mainly used as solvent in coatings, cleaning products, for electronic equipment manufacture, as well as in semiconductor industry, petrochemical processing, pharmaceuticals and agrochemicals. | 用于高级润滑油精制、聚合物的合成、绝缘材料、涂料、颜料及清洗剂等 | 20/06/2011 |

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|----|---|----------------------------------|-----|---------------------|-----------|--|--|--|------------|
| 49 | 2-ethoxyethyl acetate | 乙二醇乙醚乙酸酯 | | 111-15-9 | 203-839-2 | Toxic for reproduction (Article 57c) | Main uses in the past were as solvent in coatings and in the chemical industry, but also as intermediate in the manufacture of cyanoacrylate adhesives. | 用于油漆, 粘合剂, 胶水, 化妆品, 皮革, 涂料, 印刷油墨等 | 20/06/2011 |
| 50 | Hydrazine | 水合肼 | | 302-01-2, 7803-57-8 | 206-114-9 | Carcinogenic (Article 57a) | It is mainly used as intermediate in the manufacture of hydrazine derivatives, as a monomer in polymerisations, as a corrosion inhibitor in water treatment and for metal reduction and refining of chemicals. It is also used as a propellant for aerospace vehicles and as fuel in military (emergency) power units. | 用于涂层、塑料、橡胶、聚氨酯 (PU) 和燃料等 | 20/06/2011 |
| 51 | Strontium chromate | 铬酸锶 | 金属项 | 7789-06-2 | 232-142-6 | Carcinogenic (Article 57a) | It is mainly used as corrosion inhibitor in coating mixtures used in the aeronautic/aerospace sector, in the coil coating sector of steel and aluminium and in the vehicle coating sector. | 用于油漆, 清漆和油画颜料; 金属表面抗磨剂或铝片涂层 | 20/06/2011 |
| 52 | 1,2-dichloroethane | 1,2-二氯乙烷 | | 107-06-2 | 203-458-1 | Carcinogenic (Article 57a) | Mainly used for manufacture of other substances. Minor uses as solvent in the chemical and pharmaceutical industry. | 主要用于制造其他物质, 也用作化工制药行业的溶剂 | 19/12/2011 |
| 53 | 2,2'-dichloro-4,4'-methylenedianiline | 4,4'-亚甲基双(2-氯苯胺) (MOCA) | | 101-14-4 | 202-918-9 | Carcinogenic (Article 57a) | Mainly used as curing agent in resins and in the production of polymer articles and also for manufacture of other substances. The substance may further be used in construction and arts. | 用作树脂和聚合物的固化剂, 用于制造其他物质, 也可能用于建筑和艺术 | 19/12/2011 |
| 54 | 2-Methoxyaniline, o-Anisidine | 2-甲氧基苯胺 (邻甲氧基苯胺) | | 90-04-0 | 201-963-1 | Carcinogenic (Article 57a) | Mainly used in the manufacture of dyes for tattooing and coloration of paper, polymers and aluminium foil. | 用于制造纹身和纸、聚合物及铝箔着色的染料 | 19/12/2011 |
| 55 | 4-(1,1,3,3-tetramethylbutyl)phenol | 4-(1,1,3,3-四甲基丁基)苯酚 (别名: 对特辛基苯酚) | | 140-66-9 | 205-426-2 | Endocrine disrupting properties (Article 57(f) - environment) | Mainly used in the manufacture of polymer preparations and of ethoxylates. Further used as a component in adhesives, coatings, inks and rubber articles. | 主要用于聚合物配置品和乙氧基化物的制造, 还用于粘合剂、涂料、油墨和橡胶制品 | 19/12/2011 |
| 56 | Aluminosilicate Refractory Ceramic Fibres | 硅酸铝耐火陶瓷纤维 | 金属项 | - | - | Carcinogenic (Article 57a) | Refractory ceramic fibres are used for high-temperature insulation, almost exclusively in industrial applications (insulation of industrial furnaces and equipment, equipment for the automotive and aircraft/aerospace industry) and in fire protection (buildings and industrial process equipment). | 用于高温绝缘, 主要用于工业应用 (工业用电炉和设备、汽车和飞机/航空航天工业设备), 防火 (建筑和工业加工设备) | 19/12/2011 |
| 57 | Arsenic acid | 砷酸 | 金属项 | 7778-39-4 | 231-901-9 | Carcinogenic (Article 57a) | Mainly used to remove gas bubbles from ceramic glass melt and for improving adhesion between copper foil and resin in the production of laminated printed circuit boards. | 主要用于从陶瓷玻璃熔体中移除气泡, 在生产层压印刷电路板中改善铜箔和树脂之间的粘附力 | 19/12/2011 |
| 58 | Bis(2-methoxyethyl) ether | 双(2-甲氧基乙基)醚 (别名: 二乙二醇二甲醚) | | 111-96-6 | 203-924-4 | Carcinogenic (Article 57a) | Used primarily as a reaction solvent or process chemical in a wide variety of applications. Used also as solvent for battery electrolytes, and possibly in other products such as sealants, adhesives, fuels and automotive care products. | 主要作为反应溶剂或制程化学品, 用于多种用途, 也用作电池电解液或其他产品如密封胶、胶粘剂、燃料和汽车护理产品等的溶剂 | 19/12/2011 |
| 59 | Bis(2-methoxyethyl) phthalate | 邻苯二甲酸二甲氧基乙酯 (DMEP) | 邻苯 | 117-82-8 | 204-212-6 | Toxic for reproduction (Article 57c) | Main uses in the past were as plasticiser in polymeric materials and paints, lacquers and varnishes, including printing inks. | 作为增塑剂用于聚合物材料、油漆、清漆, 包括印刷油墨 | 19/12/2011 |
| 60 | Calcium arsenate | 砷酸钙 | 金属项 | 7778-44-1 | 231-904-5 | Carcinogenic (Article 57a) | Calcium arsenate is present in complex raw materials imported for manufacture of copper, lead and a range of precious metals. It appears mainly to be used in metallurgical refinement processes to precipitate nickel from molten copper and to manufacture diarsenic trioxide. However, most of the substance seems to be disposed of as waste. | 用于冶金提纯过程中从熔融铜中沉淀出镍和制造三氧化二砷, 但大部分的砷酸钙似乎是作为废物处理 | 19/12/2011 |
| 61 | Dichromium tris(chromate) | 铬酸铬 | 金属项 | 24613-89-6 | 246-356-2 | Carcinogenic (Article 57a) | Mainly used in mixtures for metal surface treatment in the aeronautical/aerospace, steel and aluminium coating sectors. | 用于航空/航天、钢铁和铝涂装行业的金属表面处理混合物 | 19/12/2011 |
| 62 | Formaldehyde, oligomeric reaction products with aniline | 甲醛苯胺共聚物 | | 25214-70-4 | 500-036-1 | Carcinogenic (Article 57a) | Mainly used for manufacture of other substances. Minor uses are as hardener for epoxy resins, e.g. for the production of rolls, pipes and moulds, and as well for adhesives. | 主要用于制造其他物质, 次要用途是作为环氧树脂的固化剂, 及用于胶粘剂 | 19/12/2011 |
| 63 | Lead diazide, Lead azide | 叠氮化铅 | 金属项 | 13424-46-9 | 236-542-1 | Toxic for reproduction (Article 57c) | Mainly used as initiator or booster in detonators for both civilian and military uses and as initiator in pyrotechnic devices. | 用作民用/军用雷管的启动器或助推器, 及烟火装置的启动器 | 19/12/2011 |
| 64 | Lead dipicrate | 苦味酸铅 | 金属项 | 6477-64-1 | 229-335-2 | Toxic for reproduction (Article 57c) | Lead dipicrate is an explosive like lead diazide and lead styphnate. It may be used in low amounts in detonator mixtures together with the two other mentioned lead compounds. | 一种类似于叠氮化铅和收氨酸铅的爆炸物, 可与其他两个提到的铅化合物一起用于雷管混合物中 | 19/12/2011 |
| 65 | Lead styphnate | 2,4,6-三硝基间苯二酚铅 (别名: 收氨酸铅) | 金属项 | 15245-44-0 | 239-290-0 | Toxic for reproduction (Article 57c) | Mainly used as a primer for small calibre and rifle ammunition. Other common uses are in munition pyrotechnics, powder actuated devices and detonators for civilian use. | 用于小口径步枪弹药底漆, 其他常见的用途是用于军需烟火弹药, 民用粉体驱动装置和雷管 | 19/12/2011 |
| 66 | N,N-dimethylacetamide | N,N-二甲基乙酰胺 (DMAC) | | 127-19-5 | 204-826-4 | Toxic for reproduction (Article 57c) | Used as solvent, mainly in the manufacture of various substances and in the production of fibres for clothing and other applications. Also used as reagent, and in products such as industrial coatings, polyimide films, paint strippers and ink removers. | 作为溶剂用于制造各种物质和生产服装及其他应用纤维。也用作工业涂料、聚酰亚胺薄膜、脱漆剂和油墨去除剂等产品的反应试剂 | 19/12/2011 |
| 67 | Pentazine chromate octahydroxide | 氢氧化铬酸锌 | 金属项 | 49663-84-5 | 256-418-0 | Carcinogenic (Article 57a) | Mainly used in coatings in the vehicle coating and aeronautical / aerospace sectors. | 用作汽车涂装和航空/航天行业的涂料 | 19/12/2011 |
| 68 | Phenolphthalein | 酚酞 | | 77-09-8 | 201-004-7 | Carcinogenic (Article 57a) | Mainly used as laboratory agent (in pH indicator solutions), for the production of pH-indicator paper and in medicinal products. | 用于pH试纸生产及医药产品 | 19/12/2011 |
| 69 | Potassium hydroxyoctaoxodizincatedichromate | 氢氧化铬酸锌钾 | 金属项 | 11103-86-9 | 234-329-8 | Carcinogenic (Article 57a) | Mainly used in coatings in the aeronautical/ aerospace, steel and aluminium coil coating and vehicle coating sectors. | 用于航空/航天、钢铝卷材涂装和汽车涂装行业的涂料 | 19/12/2011 |
| 70 | Trilead diarsenate | 砷酸铅 | 金属项 | 3687-31-8 | 222-979-5 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | Trilead diarsenate is present in complex raw materials imported for manufacture of copper, lead and a range of precious metals. The trilead diarsenate contained in the raw materials is in the metallurgical refinement process transformed to calcium arsenate and diarsenic trioxide. Whereas most of the calcium arsenate appears to be disposed of as waste the diarsenic trioxide is used further. | 原料中所含的砷酸铅在冶金提纯过程中转化为砷酸钙和三氧化二砷。但大部分的砷酸钙似乎是作为废物处置, 三氧化二砷会被继续使用 | 19/12/2011 |
| 71 | Zirconia Aluminosilicate Refractory Ceramic Fibres | 氧化锆硅酸铝耐火陶瓷纤维 | 金属项 | - | - | Carcinogenic (Article 57a) | Refractory ceramic fibres are used for high-temperature insulation, almost exclusively in industrial applications (insulation of industrial furnaces and equipment, equipment for the automotive and aircraft/aerospace industry) and in fire protection (buildings and industrial process equipment). | 用于高温绝缘, 主要用于工业应用 (工业用电炉和设备、汽车和飞机/航空航天工业设备), 防火 (建筑和工业加工设备) | 19/12/2011 |

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|----|--|---------------------------|-----|-------------|-----------|---|---|--|------------|
| 72 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 乙二醇二甲醚 | | 110-71-4 | 203-794-9 | Toxic for reproduction (Article 57c) | Mainly used as a solvent or as a processing aid in the manufacture and formulation of industrial chemicals, including use as an electrolyte solvent in lithium batteries. | 主要用作工业化学品制造和配方设计的溶剂或加工助剂, 包括锂电池的电解液溶剂 | 18/06/2012 |
| 73 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 1,2-二(2-甲氧基乙氧基)乙烷 | | 112-49-2 | 203-977-3 | Toxic for reproduction (Article 57c) | Mainly used as a solvent or as a processing aid in the manufacture and formulation of industrial chemicals. Minor use in brake fluids and repair of motor vehicles. | 主要用作工业化学品制造和配方设计的溶剂或加工助剂, 少量用于制动液和修理机动车辆 | 18/06/2012 |
| 74 | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC) | 异氰尿酸三缩水甘油酯 | | 2451-62-9 | 219-514-3 | Mutagenic (Article 57b) | Mainly used as a hardener in resins and coatings; also used in inks for the printed circuit board industry, electrical insulation material, resin moulding systems, laminated sheeting, silk screen printing coatings, tools, adhesives, lining materials and stabilisers for plastics. | 主要用作树脂和涂料的固化剂; 也用于印刷电路板工业的油墨、电气绝缘材料、树脂成型系统、层压板、丝网印刷涂料、工具、粘合剂、内衬材料和塑料稳定剂 | 18/06/2012 |
| 75 | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC) | 异氰尿酸β-三缩水甘油酯 | | 59653-74-6 | 423-400-0 | Mutagenic (Article 57b) | Mainly used as a solder mask ink in the EU. Also used in electrical insulation material, resin moulding systems, laminated sheeting, silk screen printing coatings, tools, adhesives, lining materials and stabilisers for plastics. | 主要用作阻焊油墨。也用于电气绝缘材料、树脂成型系统、层压板、丝网印刷涂料、工具、粘合剂、内衬材料和塑料稳定剂 | 18/06/2012 |
| 76 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol | α, α'-二[(二甲氨基)苯基]-4-甲基苯甲醇 | | 561-41-1 | 209-218-2 | Carcinogenic (Article 57a) | Used in the production of writing inks and potentially in the production of other inks, as well as for dyeing of a variety of materials. | 用于书写油墨的生产, 也可能用于其他油墨的生产, 以及各种材料的染色 | 18/06/2012 |
| 77 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 4,4'-二(N,N-二甲氨基)二苯甲酮(米氏酮) | | 90-94-8 | 202-027-5 | Carcinogenic (Article 57a) | Used as intermediate in the manufacture of triphenylmethane dyes and other substances. Further potential uses include as additive (photosensitiser) in dyes and pigments, in dry film products, as a process chemical in the production of electronic circuit boards, in research and development applications. | 用于三苯甲烷类染料和其他物质制造的中间体。其他潜在用途包括染料和颜料的添加剂(光敏剂)、干膜产品的添加剂; 作为电子电路板生产的化学助剂, 以及研发用途 | 18/06/2012 |
| 78 | [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) | C. I. 碱性紫3 | | 548-62-9 | 208-953-6 | Carcinogenic (Article 57a) | Used mainly for paper colouring and inks supplied in printer cartridges and ball pens. Further uses include staining of dried plants, marker for increasing the visibility of liquids, staining in microbial and clinical laboratories. | 主要用于纸张着色、打印油墨盒和圆珠笔中的墨水。其他用途包括: 干燥植物着色、增加液体可见度的标记、微生物和临床实验室的着色 | 18/06/2012 |
| 79 | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic | C. I. 碱性蓝26 | | 2580-56-5 | 219-943-6 | Carcinogenic (Article 57a) | Used in the production of inks, cleaners, and coatings, as well as for dyeing of paper, packaging, textiles, plastic products, and other types of articles. It is also used in diagnostic and analytical applications. | 用于生产油墨、清洁剂和涂料; 纸张、包装、纺织品、塑料制品、及其他类型物品的染色; 也用于诊断和分析应用 | 18/06/2012 |
| 80 | Diboron trioxide | 三氧化二硼 | 金属项 | 1303-86-2 | 215-125-8 | Toxic for reproduction (Article 57c) | Used in a multitude of applications, e.g., in glass and glass fibres, frits, ceramics, flame retardants, catalysts, industrial fluids, metallurgy, adhesives, inks/paints, film developers solutions, detergents and cleaners, biocides and insecticides. | 应用广泛, 比如玻璃和玻璃纤维、玻璃料、陶瓷、阻燃剂、催化剂、工业流体、冶金、粘合剂、油墨/油漆、胶卷显影液、洗涤剂 and 清洁剂、杀菌剂和杀虫剂 | 18/06/2012 |
| 81 | Formamide | 甲酰胺 | | 75-12-7 | 200-842-0 | Toxic for reproduction (Article 57c) | Mainly used as an intermediate. Minor uses as solvent, as reagent chemical (in the pharmaceutical industry) and as laboratory chemical. The substance seems further to be used in the agrochemical industry and as a plasticiser. | 主要用作中间体, 少量用作溶剂, 化学试剂(制药业)和实验室试剂。另外, 该物质可能用于农药工业或作为增塑剂。 | 18/06/2012 |
| 82 | Lead(II) bis(methanesulfonate) | 甲基磺酸铅 | 金属项 | 17570-76-2 | 401-750-5 | Toxic for reproduction (Article 57c) | Mainly used in plating (both electrolytic and electroless) processes for electronic components (such as printed circuit boards).The substance seems to also be used for batteries in special applications. | 主要用于电子元器件(如印刷电路板)的电镀(包括电解电镀和化学镀)工艺。此外, 作为特殊用途, 此物质还用于电池 | 18/06/2012 |
| 83 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 4,4'-(对二甲氨基)二苯基甲烷(米氏) | | 101-61-1 | 202-959-2 | Carcinogenic (Article 57a) | Used as intermediate in the manufacture of dyes and other substances. | 用于染料和其他物质制造的中间体, 也用作研发项目中的化学试剂 | 18/06/2012 |
| 84 | α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) | C. I. 溶剂蓝4 | | 6786-83-0 | 229-851-8 | Carcinogenic (Article 57a) | Mainly used in the production of printing and writing inks, for dyeing of paper and in mixtures such as windscreen washing agents. | 主要用于生产印刷和书写墨水, 用于纸张染色和混合物(如挡风玻璃清洗剂) | 18/06/2012 |
| 85 | 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear | 支链和直链1,2-苯二甲酸二戊酯 | 邻苯 | 84777-06-0 | 284-032-2 | Toxic for reproduction (Article 57c) | Plasticizers for plastics, such as cellulose resin, polystyrene, polymethyl methacrylate and chlorinated rubber. | 用作塑胶材料的增塑剂, 如纤维素树脂, 聚甲基丙烯酸酯, 聚苯乙烯和氯化橡胶的 | 19/12/2012 |
| 86 | 1,2-dithoxyethane | 乙二醇二乙醚 | | 629-14-1 | 211-076-1 | Toxic for reproduction (Article 57c) | As a solvent and the reaction medium for organic synthesis, rubber solvents, resins, cellulose resin. | 用作硝化纤维素、橡胶、树脂等的溶剂以及有机合成的反应介质 | 19/12/2012 |
| 87 | 1-bromopropane (n-propyl bromide) | 1-溴代正丙烷 | | 106-94-5 | 203-445-0 | Toxic for reproduction (Article 57c) | Synthesis pharmaceutical, pesticide, dye, spices, etc. | 用于合成医药、农药、染料、香料等 | 19/12/2012 |
| 88 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 3-乙基-2-甲基-2-(3-甲基丁基)噁唑啉 | | 143860-04-2 | 421-150-7 | Toxic for reproduction (Article 57c) | Rubber products, chemical raw materials. | 化工原料 | 19/12/2012 |
| 89 | 4,4'-methylenedi-o-toluidine | 4,4'-二氨基-3,3'-二甲基二苯甲烷 | | 838-88-0 | 212-658-8 | Carcinogenic (Article 57a) | Used as a class H insulation material, polyurethane adhesives, epoxy resin curing agent, etc. | 用作H级绝缘材料、聚氨酯粘合剂、环氧树脂固化剂等 | 19/12/2012 |
| 90 | 4,4'-oxydianiline and its salts 4,4'-oxydianiline | 4,4'-二氨基二苯醚 | | - | - | Carcinogenic (Article 57a) | Monomers used for synthesis of polyimide, also used as an intermediate of dyes, resin synthesis. | 用于耐高温聚合材料聚酰亚胺的单体, 也用于塑胶工业, 染料中间体, 树脂的合成 | 19/12/2012 |
| 91 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated 20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol Polyethylene glycol mono(tert-octylphenyl) ether 9036-19-5 2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol 2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethanol 1,2-[2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethoxy]ethanol 2-[[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethanol | 对特辛基苯酚乙氧基醚 | | - | - | Endocrine disrupting properties (Article 57(f) - environment) | Mainly used for polymer configuration product and ethoxy compound manufacturing, also used in adhesives, paint, printing ink and rubber products of the component. | 主要用于聚合物配置品和乙氧基化物的制造, 还用作粘合剂、涂料、油墨和橡胶制品中的组分 | 19/12/2012 |
| 92 | 4-aminoazobenzene | 4-对氨基偶氮苯 | | 60-09-3 | 200-453-6 | Carcinogenic (Article 57a) | An intermediate of dyes. | 染料中间体, 用于合成偶氮染料、分散染料、恶唑染料; 还用于制油漆和颜料, 以 | 19/12/2012 |

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| 93 | 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 2,4-二氨基甲苯 | | 95-80-7 | 202-453-1 | Carcinogenic (Article 57a) | Dyes, intermediates for pharmacy and other organic synthesis. | 有机合成中间体, 用于生产甲苯二异氰酸酯, 染料毛皮黑Db、硫化黄棕5G、硫化黄棕6G、硫化红棕B3R等。制成的染料可使 | 19/12/2012 |
| 94 | 4-Nonylphenol, branched and linear p-(1-methyloctyl)phenol | 4-壬基酚, 分支或线性的壬基酚, 包括含有9个碳烷基链的所有独立的同分异构体和所有含有线性或分支9个碳烷基链的UVCB物质 | | - | - | Endocrine disrupting properties (Article 57(f) - environment) | Paints, inks, papers, glue, rubbers | 油漆, 油墨, 纸张, 胶水, 橡胶制品 | 19/12/2012 |
| | 4-(1-Ethyl-1,4-dimethylpentyl)phenol | | | 17404-66-9 | 241-427-4 | | | | |
| | 4-(1-Ethyl-1,3-dimethylpentyl)phenol | | | 142731-63-3 | - | | | | |
| | p-nonylphenol | | | 186825-36-5 | - | | | | |
| | Phenol, 4-nonyl-, branched | | | 104-40-5 | 203-199-4 | | | | |
| | p-isononylphenol | | | 84852-15-3 | 284-325-5 | | | | |
| | p-(1,1-dimethylheptyl)phenol | | | 26543-97-5 | 247-770-6 | | | | |
| | 4-(1-ethyl-1-methylhexyl)phenol | | | 30784-30-6 | 250-339-5 | | | | |
| | Phenol, nonyl-, branched | | | 52427-13-1 | 257-907-1 | | | | |
| | 4-(3-ethylheptan-2-yl)phenol | | | 90481-04-2 | 291-844-0 | | | | |
| | 4-(1,1,5-Trimethylhexyl)phenol | | | 186825-39-8 | 635-696-0 | | | | |
| Nonylphenol | 521947-27-3 | 635-388-6 | | | | | | | |
| Isononylphenol | 25154-52-3 | 246-672-0 | | | | | | | |
| | | | 11066-49-2 | 234-284-4 | | | | | |
| 95 | 6-methoxy-m-toluidine (p-cresidine) | 6-甲氧基-间甲苯胺 | | 120-71-8 | 204-419-1 | Carcinogenic (Article 57a) | Intermediates, dyes synthesis. | 一种染料中间体, 用于染料的合成 | 19/12/2012 |
| 96 | [Phthalato(2-)]dioxotrilead | 二盐基邻苯二甲酸铅 | 金属项 | 69011-06-9 | 273-688-5 | Toxic for reproduction (Article 57c) | Thermal stabilizer for PVC plastics, suitable for high temperature electrical insulating materials, foam products and rolled products. | 二盐基邻苯二甲酸铅为聚氯乙烯的热稳定剂, 适用于高温电绝缘料、泡沫制品和压延制品 | 19/12/2012 |
| 97 | Acetic acid, lead salt, basic | 碱式乙酸铅 | 金属项 | 51404-69-4 | 257-175-3 | Toxic for reproduction (Article 57c) | Sugar industry as decolorizing agent, and sugar analysis. | 制糖工业脱色剂和糖分析 | 19/12/2012 |
| 98 | Biphenyl-4-ylamine | 4-氨基联苯 | | 92-67-1 | 202-177-1 | Carcinogenic (Article 57a) | Intermediates for dyes and pesticides, also used in the manufacture of scintillation agent on three biphenyl. | 染料和农药中间体, 还用于制造闪烁剂对三联苯 | 19/12/2012 |
| 99 | Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) | 十溴二苯醚 | | 1163-19-5 | 214-604-9 | PBT (Article 57d) vPvB (Article 57e) | Used as additive-type flame retardant, to protect many products and materials from the risk of fire, including electronic equipment, furniture cushions, upholstery textiles, carpet backings, mattresses, vehicles, aircrafts and building materials. | 作为阻燃剂用于塑料/聚合物、纺织品中。适用作PP、PE、ABS、环氧树脂、PBT树脂、硅橡胶、三元乙橡胶及聚酯纤维、棉纤维等的阻燃剂 | 19/12/2012 |
| 100 | Cyclohexane-1,2-dicarboxylic anhydride | 六氢邻苯二甲酸酐、顺式-六氢邻苯二甲酸酐、反式-六氢邻苯二甲酸酐 | | - | - | Respiratory sensitising properties (Article 57(f) - human health) | Used as intermediates, resin modifier and epoxy resin curing agent. | 广泛用于化学工业, 尤其是聚酯和醇酸树脂的制造以及热塑性塑料的增塑剂, 还用作环氧树脂的固化剂和热塑性塑料的交联剂 | 19/12/2012 |
| | Cyclohexane-1,2-dicarboxylic anhydride | | | 85-42-7 | 201-604-9 | | | | |
| | trans-cyclohexane-1,2-dicarboxylic anhydride | | | 14166-21-3 | 238-009-9 | | | | |
| | cis-cyclohexane-1,2-dicarboxylic | | | 13149-00-3 | 236-086-3 | | | | |
| 101 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) | 偶氮二甲酰胺 | | 123-77-3 | 204-650-8 | Respiratory sensitising properties (Article 57(f) - human health) | Foaming Agents for foam plastic and rubber, widely used in the foaming of EVA, PVC, EVA, PP, etc; also used as catalyst, stain, etc. | 用作多种泡沫塑料和橡胶的发泡剂, 适用于PVC、EVA、PP等塑料发泡, 此外还用作催化剂、染色剂等 | 19/12/2012 |
| 102 | Dibutyltin dichloride (DBTC) | 二丁基二氯化锡 | | 683-18-1 | 211-670-0 | Toxic for reproduction (Article 57c) | Used as rubber additives, PVC stabilizer, silicon resin catalyst, and used in the insulation coating materials. | 用作橡胶添加剂、PVC稳定剂、硅树脂的催化剂、用于绝缘涂层材料; 常见的产品有食品包装材料、T恤衫、聚亚胺酯手套、医疗设备、玻璃纸(包装用)、柔软玩 | 19/12/2012 |
| 103 | Diethyl sulphate | 硫酸二乙酯 | | 64-67-5 | 200-589-6 | Carcinogenic (Article 57a) Mutagenic (Article 57b) | Used to synthesis pharmaceutical, paint, dye and so on fine chemical intermediates. | 大量用于合成医药、涂料、染料等等精细化工中间体 | 19/12/2012 |
| 104 | Diisopentyl phthalate | 邻苯二甲酸二异戊酯 (DIPP) | 邻苯 | 605-50-5 | 210-088-4 | Toxic for reproduction (Article 57c) | Plasticizers for plastics, such as cellulose resin, polystyrene, polymethyl methacrylate and chlorinated rubber. | 用作塑胶材料的增塑剂, 如纤维素树脂, 聚甲基丙烯酸甲酯, 聚苯乙烯和氯化橡胶的 | 19/12/2012 |
| 105 | Dimethyl sulphate | 硫酸二甲酯 | | 77-78-1 | 201-058-1 | Carcinogenic (Article 57a) | Methylation agent used for the organic synthesis pesticide, dye, medicine, spices industry. | 是农药、染料、医药、香料工业等有机合成中广泛应用的甲基化剂 | 19/12/2012 |
| 106 | Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 地乐酚 | | 88-85-7 | 201-861-7 | Toxic for reproduction (Article 57c) | Inhibitor for PS and intermediates for pesticide. | 用作苯乙烯阻聚剂及农药中间体 | 19/12/2012 |
| 107 | Dioxobis(stearato)trilead | 双(十八烷基)二氧化三铅 | 金属项 | 12578-12-0 | 235-702-8 | Toxic for reproduction (Article 57c) | Thermal stabilizer for PVC plastics. | 用作聚氯乙烯的热稳定剂。主要用于挤出制品, 如塑胶管、波纹管、电线及注射制 | 19/12/2012 |
| 108 | Fatty acids, C16-18, lead salts | C16-18-脂肪酸铅盐 | 金属项 | 91031-62-8 | 292-966-7 | Toxic for reproduction (Article 57c) | Stabilizer for plastics. | 塑胶材料的稳定剂 | 19/12/2012 |
| 109 | Furan | 呋喃 | | 110-00-9 | 203-727-3 | Carcinogenic (Article 57a) | Used as adhesive, raw material of organic synthesis and solvent. | 主要用于制作大批量热芯盒工型芯的粘合剂; 用作有机合成原料和溶剂 | 19/12/2012 |
| 110 | Henicosafuoroundecanoic acid | 全氟十一烷酸 | | 2058-94-8 | 218-165-4 | vPvB (Article 57e) | Used as surface treatment, waterproof and fire prevention, such as paints, textile, leather, paper and other special areas. | 用于表面处理, 防火和防水材料中, 如纺织品、皮革、纸张及其他特殊领域 | 19/12/2012 |
| 111 | Heptacosafuorotetradecanoic acid | 全氟十四酸 | | 376-06-7 | 206-803-4 | vPvB (Article 57e) | Used as surface treatment, waterproof and fire prevention, such as paints, textile, leather, paper and other special areas. | 用于表面处理, 防火和防水材料中, 如纺织品、皮革、纸张及其他特殊领域 | 19/12/2012 |
| 112 | Hexahydromethylphthalic anhydride | 甲基六氢苯酐、4-甲基六氢苯酐、1-甲基六氢化邻苯二甲酸酐、3-甲基六氢苯二甲酸酐 | | - | - | Respiratory sensitising properties (Article 57(f) - human health) | Widely used in production of polyester and alkyd resin and thermoplastic plasticizer, also used for epoxy resin curing agent and thermoplastic plastic crosslinking agent. | 广泛用于化学工业, 尤其是聚酯和醇酸树脂的制造以及热塑性塑料的增塑剂, 还用作环氧树脂的固化剂和热塑性塑料的交联剂 | 19/12/2012 |
| | Hexahydro-4-methylphthalic anhydride | | | 19438-60-9 | 243-072-0 | | | | |
| | Hexahydro-3-methylphthalic anhydride | | | 57110-29-9 | 260-566-1 | | | | |
| | Hexahydro-1-methylphthalic anhydride | | | 48122-14-1 | 256-356-4 | | | | |
| | Hexahydromethylphthalic anhydride | | | 25550-51-0 | 247-094-1 | | | | |
| 113 | Lead bis(tetrafluoroborate) | 四氟硼酸铅 | 金属项 | 13814-96-5 | 237-486-0 | Toxic for reproduction (Article 57c) | Used in the lead/tin alloy plating, lead of low temperature welding and alloy coating. | 用于印刷线路的铅锡合金电镀及铅低温焊接; 还用于电镀, 可作为电路板锡、铅合 | 19/12/2012 |
| 114 | Lead cyanamidate | 氨基氰铅盐 | 金属项 | 20837-86-9 | 244-073-9 | Toxic for reproduction (Article 57c) | Antirust. | 用于防锈 | 19/12/2012 |

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| 115 | Lead dinitrate | 硝酸铅 | 金属项 | 10099-74-8 | 233-245-9 | Toxic for reproduction (Article 57c) | Used as yellow pigment in manufacturing of glass and papermaking industry; convergence agent, tanning agent, photo sensitizer, ore flotation agent, printing and dyeing mordant in the manufacture of lead salt and lead dioxide, medicine industry; also as oxidizing agents used for production matches, fireworks, explosive, and analytical chemistry reagent, etc. | 在玻璃、搪瓷工业中用于制造奶黄色素，造纸工业中用作纸张的黄色素；还用于制造其他铅盐及二氧化铅、医药行业的收敛剂、鞣革剂、照片增感剂、矿石浮选剂、印染媒染剂等；另外，还用作生产火柴、烟火、炸药的氧化剂，以及分析化学 | 19/12/2012 |
| 116 | Lead monoxide (lead oxide) | 氧化铅 | 金属项 | 1317-36-8 | 215-267-0 | Toxic for reproduction (Article 57c) | Used as pigment, metallurgy fusing agent, paint driers, rubber vulcanization accelerator, pesticide, etc. | 用作颜料、冶金助熔剂及油漆催干剂，并用于石油、橡胶、玻璃、搪瓷等工业；主要用于电子管、显像管、光学玻璃和防X射线的铅玻璃及防辐射橡胶制品；还用于 | 19/12/2012 |
| 117 | Lead oxide sulfate | 碱式硫酸铅 | 金属项 | 12036-76-9 | 234-853-7 | Toxic for reproduction (Article 57c) | Used in paint, coating, ceramic, and used as thermal stabilizer for PVC plastics. | 用作白色颜料，塑料尤其是PVC的热稳定剂 | 19/12/2012 |
| 118 | Lead titanium trioxide | 钛酸铅 | 金属项 | 12060-00-3 | 235-038-9 | Toxic for reproduction (Article 57c) | Lead titanium trioxide is a kind of ferroelectric materials, used for the manufacture of compound electronic ceramics, also used as coating pigment. | 钛酸铅是一种铁电性材料，用于制造复合电子陶瓷；也用作涂料的颜料 | 19/12/2012 |
| 119 | Lead titanium zirconium oxide | 钛酸铅锆 | 金属项 | 12626-81-2 | 235-727-4 | Toxic for reproduction (Article 57c) | Mainly used in optical products, electronic products, and electronic ceramic parts. | 用于压电陶瓷材料中 | 19/12/2012 |
| 120 | Methoxyacetic acid | 甲氧基乙酸 | | 625-45-6 | 210-894-6 | Toxic for reproduction (Article 57c) | Intermediates, organic chemical raw material storage and transportation | 有机化工原料 | 19/12/2012 |
| 121 | Methyloxirane (Propylene oxide) | 环氧丙烷 | | 75-56-9 | 200-879-2 | Carcinogenic (Article 57a) Mutagenic (Article 57b) | An important raw material of organic chemical synthetic, widely used in the synthesis of lubricant, surface active agent, detergent, pesticide, etc. | 重要的有机化工合成原料，主要用于生产聚醚、丙二醇等；少量用于涂料、刹车液、防冻剂、喷气发动机燃油添加剂、地板抛光剂、印刷油墨、电子化学品、清洁剂皮革加工、短效增塑剂、染料、非离子 | 19/12/2012 |
| 122 | N,N-dimethylformamide | N,N-二甲基甲酰胺 | | 68-12-2 | 200-679-5 | Toxic for reproduction (Article 57c) | Mainly used as reaction solvent, and intermediate in organic synthesis, containing in leather, PCB, etc. | 用作反应的溶剂，也是有机合成的重要中间体 | 19/12/2012 |
| 123 | N-methylacetamide | N-甲基乙酰胺 | | 79-16-3 | 201-182-6 | Toxic for reproduction (Article 57c) | Intermediates used in synthesis of pesticide, medicine and so on. | 农药、医药等有机合成的中间体 | 19/12/2012 |
| 124 | N-pentyl-isopentylphthalate | 邻苯二甲酸正戊基异戊基酯 | 邻苯 | 776297-69-9 | - | Toxic for reproduction (Article 57c) | Plasticizers for plastics, such as cellulose resin, polystyrene, polymethyl methacrylate and chlorinated rubber. | 用作塑胶材料的增塑剂，如纤维素树脂，聚甲基丙烯酸甲酯，聚苯乙烯和氯化橡胶的 | 19/12/2012 |
| 125 | o-aminoazotoluene | 邻氨基偶氮甲苯 | | 97-56-3 | 202-591-2 | Carcinogenic (Article 57a) | Used for making dyes and drugs. | 用于制染料和药物等，并用作枣红色基GBC | 19/12/2012 |
| 126 | o-toluidine | 邻甲基苯胺 | | 95-53-4 | 202-429-0 | Carcinogenic (Article 57a) | Intermediates for dyes, organic synthesis and synthetic saccharin, etc. | 用作染料中间体、有机合成及合成糖精等 | 19/12/2012 |
| 127 | Orange lead (lead tetroxide) | 四氧化三铅 | 金属项 | 1314-41-6 | 215-235-6 | Toxic for reproduction (Article 57c) | Used in battery, glass, ceramics, enamel, paint and other products, and also used in rubber coloring, synthetic resin, etc. | 用于蓄电池、玻璃、陶瓷、搪瓷、防锈漆等产品，还应用于橡胶着色、合成树脂等 | 19/12/2012 |
| 128 | Pentacosfluorotridecanoic acid | 全氟十三酸 | | 72629-94-8 | 276-745-2 | vPvB (Article 57e) | Used as surface treatment, waterproof and fire prevention, such as paints, textile, leather, paper and other special areas. | 用于表面处理，防火和防水材料中，如纺织品、皮革、纸张及其他特殊领域 | 19/12/2012 |
| 129 | Pentalead tetraoxide sulphate | 氧化铅与硫酸铅的复合物 | 金属项 | 12065-90-6 | 235-067-7 | Toxic for reproduction (Article 57c) | Analysis reagent, catalyst, battery manufacturing, paint, pigment, etc. | 分析试剂，催化剂，电池制造，油漆，颜料，印刷 | 19/12/2012 |
| 130 | Pyrochlore, antimony lead yellow | 颜料黄41 | 金属项 | 8012-00-8 | 232-382-1 | Toxic for reproduction (Article 57c) | Paints, coatings, glass, ceramics. | 在油漆、玻璃陶瓷制品中用作颜料 | 19/12/2012 |
| 131 | Silicic acid (H2Si2O5), barium salt (1:1), lead-doped | 掺杂铅的硅酸钡 | 金属项 | 68784-75-8 | 272-271-5 | Toxic for reproduction (Article 57c) | Used in ceramic industry and paper industry. | 用于陶瓷和造纸工业 | 19/12/2012 |
| 132 | Silicic acid, lead salt | 硅酸铅 | 金属项 | 11120-22-2 | 234-363-3 | Toxic for reproduction (Article 57c) | Used as antirust pigment, wear-resistant material, polymer heat stabilizer, also used in the manufacture of optical glass, tube, optical fiber, daily vessels and for the low melting point welding, etc. | 防锈颜料，加入聚合物可作耐磨材料，还可作为聚合物的热稳定剂；也用于制造光学玻璃、显像管、光纤纤维、日用器皿以及用于低熔点焊接等 | 19/12/2012 |
| 133 | Sulfurous acid, lead salt, dibasic | 二碱式亚硫酸铅(II) | 金属项 | 62229-08-7 | 263-467-1 | Toxic for reproduction (Article 57c) | Glass and enamel. | 主要用于电镀工业的镀锡、铝合金表面的氧化着色、印染工业的媒染剂、双氧水去 | 19/12/2012 |
| 134 | Tetraethyllead | 四乙基铅 | 金属项 | 78-00-2 | 201-075-4 | Toxic for reproduction (Article 57c) | Used as fuel additive. | 用于汽油抗震添加剂，提高辛烷值，及用于有机合成 | 19/12/2012 |
| 135 | Tetralead trioxide sulphate | 三碱式硫酸铅 | 金属项 | 12202-17-4 | 235-380-9 | Toxic for reproduction (Article 57c) | Stabilizer for PVC. | 主要用于聚氯乙烯塑料不透明或半透明制品的稳定剂、适用于制管、板、薄膜、电 | 19/12/2012 |
| 136 | Tricosfluorododecanoic acid | 全氟十二烷酸 | | 307-55-1 | 206-203-2 | vPvB (Article 57e) | Used as surface treatment, waterproof and fire prevention, such as paints, textile, leather, paper and other special areas. | 用于表面处理，防火和防水材料中，如纺织品、皮革、纸张及其他特殊领域 | 19/12/2012 |
| 137 | Trilead bis(carbonate) dihydroxide | 碱式碳酸铅 | 金属项 | 1319-46-6 | 215-290-6 | Toxic for reproduction (Article 57c) | Used for making ceramic glaze, fine arts, cosmetics, anticorrosive paint, and exterior Paint, etc. | 主要用于油漆，特别适用于制防锈漆和户外用漆；一种优良的珠光颜料，用作分析试剂，也用于油漆、颜料配制，用于印刷油墨方面，在包装纸、名片、塑胶布、纺 | 19/12/2012 |
| 138 | Trilead dioxide phosphonate | 磷酸氧化铅 | 金属项 | 12141-20-7 | 235-252-2 | Toxic for reproduction (Article 57c) | Stabilizer for plastic. | 主要用于不透明聚氯乙烯的硬质和软质制品，特别是室外用的电缆电线，建筑用板材(如瓦楞板)、管材等的稳定剂 | 19/12/2012 |
| | 4-Nonylphenol, branched and linear, ethoxylated | | | - | - | | | | |
| | Nonylphenol, ethoxylated | | | 9016-45-9 | 500-024-6 | | | | |
| | 2-[2-(4-nonylphenoxy)ethoxy]ethanol | | | 20427-84-3 | 243-816-4 | | | | |
| | 20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol | | | 27942-27-4 | 248-743-1 | | | | |

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| 139 | 26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24-octaohexacosan-1-ol | 乙氧基化的支链和直链的4-壬基酚（直链和/或支链的具有9个碳原子的烷基链共价键合在4位的乙氧基酚，囊括了UVCB和定义明确的物质，聚合物及同系物，其中包括任何单独的异构体和/或它们的组合） | | 14409-72-4 | - | Endocrine disrupting properties (Article 57(f) - environment) | Mainly used as nonionic surface active agent, used in the production of surface active agent, also used for antioxidant, textile auxiliaries, oil additives, pesticide emulsifier, resin modifying agent, resin and rubber stabilizer, etc. | 非离子型表面活性剂，主要用于生产表面活性剂、也用于抗氧剂、纺织印染助剂、润滑油添加剂、农药乳化剂、树脂改性剂、树脂及橡胶稳定剂等领域。 | 20/06/2013 |
| | 2-[2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol | | 7311-27-5 | 230-770-5 | | | | | |
| | Nonylphenol, ethoxylated (6,5-EO) (9016-45-9) | | - | 931-753-1 | | | | | |
| | Nonylphenol, branched, ethoxylated | | 68412-54-4 | 500-209-1 | | | | | |
| | 4-Nonylphenol, ethoxylated | | 26027-38-3 | 500-045-0 | | | | | |
| | Nonylphenol, ethoxylated (15-EO) (9016-45-9) | | - | 931-756-8 | | | | | |
| | Nonylphenol, ethoxylated (10-EO) (9016-45-9) | | - | 931-755-2 | | | | | |
| | Nonylphenol, ethoxylated (8-EO) (9016-45-9) | | - | 931-754-7 | | | | | |
| | Nonylphenol, branched, ethoxylated (CAS# 68412-54-4) | | - | 932-688-1 | | | | | |
| | Nonylphenolpolyglycoether | | - | 932-998-7 | | | | | |
| | 2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol | | 1119449-37-4 | 687-832-3 | | | | | |
| | 2-[2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy]ethanol | | 1119449-38-5 | 687-833-9 | | | | | |
| | Nonylphenol, ethoxylated (polymer) | | - | 938-618-6 | | | | | |
| | Nonylphenol, ethoxylated (EO = 4) | | - | 939-975-0 | | | | | |
| | Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched (CAS# 68412-54-4) | | 68412-54-4 | 932-337-2 | | | | | |
| | 4-Nonylphenol, branched, ethoxylated (CAS: 127087-87-0) | | 127087-87-0 | 932-098-4 | | | | | |
| | Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy- (CAS 9016-45-9) | | 9016-45-9 | 931-562-3 | | | | | |
| | Isononylphenol, ethoxylated | | 37205-87-1 | 609-346-2 | | | | | |
| | p-Nonylphenol hexaethoxylate | | 34166-38-6 | - | | | | | |
| | 4-Nonylphenol, branched, ethoxylated | | 127087-87-0 | 500-315-8 | | | | | |
| | 23-(nonylphenoxy)-3,6,9,12,15,18,21-heptaotricosan-1-ol | | 27177-05-5 | 248-293-6 | | | | | |
| | 26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaohexacosan-1-ol | | 26571-11-9 | 247-816-5 | | | | | |
| | 14-(nonylphenoxy)-3,6,9,12-tetraotetradecan-1-ol | | 26264-02-8 | 247-555-7 | | | | | |
| Ethanol, 2-(4-nonylphenoxy)- | 104-35-8 | - | | | | | | | |
| Nonylphenol, ethoxylated (EO = 10) | - | 939-993-9 | | | | | | | |
| 4-t-Nonylphenol-diethoxylate | 156609-10-8 | - | | | | | | | |
| 3,6,9,12-Tetraotetradecan-1-ol, 14-(4-nonylphenoxy)- | 20636-48-0 | - | | | | | | | |
| 140 | Ammonium pentadecafluorooctanoate (APFO) | 全氟辛酸铵 (APFO) | | 3825-26-1 | 223-320-4 | Toxic for reproduction (Article 57c) PBT (Article 57d) | As dispersants for synthetic PVC through emulsion polymerization. | 乳液聚合合成PVC的分散剂 | 20/06/2013 |
| 141 | Cadmium | 镉 | 金属项 | 7440-43-9 | 231-152-8 | Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - | Used in the electroplating industry, also used in the manufacture of alloy, batteries, solder and semiconductor materials. | 用于电镀工业，也用于制造合金、电池、焊料及半导体材料等。 | 20/06/2013 |
| 142 | Cadmium oxide | 氧化镉 | 金属项 | 1306-19-0 | 215-146-2 | Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - | Used for making cadmium salt, catalyst, ceramic pigment, plating solution, etc. | 用于制镉盐、催化剂、陶瓷颜料、镉电镀液等。 | 20/06/2013 |
| 143 | Dipentyl phthalate (DPP) | 邻苯二甲酸二戊酯 (DPP) | 邻苯 | 131-18-0 | 205-017-9 | Toxic for reproduction (Article 57c) | Used as plasticizer, lubricant, GC stationary liquid. | 增塑剂、润滑剂、气相色谱固定液。 | 20/06/2013 |
| 144 | Pentadecafluorooctanoic acid (PFOA) | 全氟辛酸 (PFOA) | | 335-67-1 | 206-397-9 | Toxic for reproduction (Article 57c) PBT (Article 57d) | In paint, coatings, printing ink industries as flow flat, anti-sticking, antifouling agent; In the fire industry used as the light water foam fire extinguishing agent; In polymer system used as emulsifying agent, release agent, antifoggant and antistatic agent; In the electronics industry as a cleaning agent, flux, oxidation inhibitors; As a lubricant in metal fabrication, rinse additive, corrosion inhibitor; As a fungicide on agricultural materials, prevent mist; In the field of aviation materials as the hydraulic oil additives; And in the medical, oil, photosensitive materials, textile and other fields. | 在油漆、涂料、油墨行业作流平、防粘、防污剂；纺织、皮革等行业的表面处理；在聚合物体系中用作乳化剂、脱模剂、防雾剂、防静电剂；在电子行业作清洗剂、助焊剂、氧化抑制剂。 | 20/06/2013 |

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|-----|---|------------------------------------|-----|--|--|--|--|--|------------|
| 145 | Cadmium sulphide | 硫化镉 | 金属项 | 1306-23-6 | 215-147-8 | Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | Pigment, semiconductor material, stabilizer, tube, etc. | 颜料、半导体材料、稳定剂、射线管等 | 16/12/2013 |
| 146 | Dihexyl phthalate | 邻苯二甲酸二己酯 | 邻苯 | 84-75-3 | 201-559-5 | Toxic for reproduction (Article 57c) | Plasticiser | 增塑剂 | 16/12/2013 |
| 147 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | C. I. 直接红 28 | | 573-58-0 | 209-358-4 | Carcinogenic (Article 57a) | Dyeing for textiles and paper products | 纺织品和纸制品染色 | 16/12/2013 |
| 148 | Disodium 4-amino-3-[[4'-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7- | C. I. 直接黑 38 | | 1937-37-7 | 217-710-3 | Carcinogenic (Article 57a) | Dye, colourant, etc. | 染料、毛类着色、皮革塑料着色、生产水性油墨、染发等 | 16/12/2013 |
| 149 | Imidazolidine-2-thione (2-imidazoline-2-thiol) | 1,2-亚乙基硫脲 | | 96-45-7 | 202-506-9 | Toxic for reproduction (Article 57c) Toxic for reproduction (Article 57c) | Foaming agents | 起泡剂 | 16/12/2013 |
| 150 | Lead di(acetate) | 醋酸铅 | 金属项 | 301-04-2 | 206-104-4 | Toxic for reproduction (Article 57c) | Coating, paint, diluents, padding, putty, intermediates, etc. | 涂料、油漆、稀释剂、填料、腻子、中间体、实验室分析 | 16/12/2013 |
| 151 | Trixylyl phosphate | 磷酸三(二甲苯)酯 | | 25155-23-1 | 246-677-8 | Toxic for reproduction (Article 57c) | Plasticizer, flame retardant. | 增塑剂、阻燃剂 | 16/12/2013 |
| 152 | 1,2-Benzene dicarboxylic acid, dihexyl ester, branched and linear | 邻苯二甲酸二(支链与直链)己酯 | 邻苯 | 68515-50-4 | 271-093-5 | Toxic for reproduction (Article 57c) | Plasticiser | 增塑剂 | 16/06/2014 |
| 153 | Cadmium chloride | 氯化镉 | 金属项 | 10108-64-2 | 233-296-7 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | Used for photocopying, in fabric printing and dyeing; electroplate liquid formulation in electroplating; optical brightener for special mirror. | 印染工业助剂；感光工业用作制造复写纸、照相纸的药剂；电镀、工业用于电镀液的配制；光学仪器工业用作制造特种镜子的增光剂。 | 16/06/2014 |
| 154 | Sodium perborate, perboric acid, sodium salt Perboric acid, sodium salt Perboric acid (H3BO2(O2)), monosodium salt, trihydrate Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6) Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2) Sodium perborate | 过硼酸钠，水合物；过硼酸钠盐 | 金属项 | - 11138-47-9 13517-20-9 125022-34-6 90568-23-3 15120-21-5 | - 234-390-0 603-902-8 - - 239-172-9 | Toxic for reproduction (Article 57c) | Used as a source of active oxygen in many detergents, laundry detergents, cleaning products, and laundry bleaches; also present in some tooth bleaching formulas; disinfectant | 医药上用作消毒剂和杀菌剂，也可用作媒染剂、洗涤剂助剂、氧化剂、漂白剂、脱臭剂，电镀液的添加剂，分析试剂，有机合成聚合剂，以及制牙膏、化妆品等 | 16/06/2014 |
| 155 | Sodium peroxometaborate | 过硼酸钠，无水 | 金属项 | 7632-04-4 | 231-556-4 | Toxic for reproduction (Article 57c) | Used as a source of active oxygen in many detergents, laundry detergents, cleaning products, and laundry bleaches; also present in some tooth bleaching formulas; disinfectant | 医药上用作消毒剂和杀菌剂，也可用作媒染剂、洗涤剂助剂、氧化剂、漂白剂、脱臭剂，电镀液的添加剂，分析试剂，有机合成聚合剂，以及制牙膏、化妆品等 | 16/06/2014 |
| 156 | 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol (UV-328) | 2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 (UV328) | | 25973-55-1 | 247-384-8 | PBT (Article 57d) vPvB (Article 57e) | Suitable for polyolefin (especially PVC), polyester, styrene, polyamide, polycarbonate polymers, etc | 适用于聚烯烃(特别是聚氯乙烯)、聚酯、苯乙烯类、聚酰胺、聚碳酸酯等聚合物 | 17/12/2014 |
| 157 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 2-(2'-羟基-3',5'-二叔丁基苯基)-苯 | | 3846-71-7 | 223-346-6 | PBT (Article 57d) vPvB (Article 57e) | Used in plastics and other organic compounds, such as unsaturated polyester, PVC, PVC plastic, etc | 用于塑料和其他有机物中，如不饱和聚酯、PVC、PVC增塑剂等 | 17/12/2014 |
| 158 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 二正辛基-双(硫乙酸2-乙基己酯)锡 (DOTE) | | 15571-58-1 | 239-622-4 | Toxic for reproduction (Article 57c) | Used for hard and soft products, such as plates, tubes, films and all kinds of packaging containers, etc | 用于硬质和软质制品，如板材、管材、薄膜与各种包装容器等 | 17/12/2014 |
| 159 | Cadmium fluoride | 氟化镉 | 金属项 | 7790-79-6 | 232-222-0 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | Used inelectrical, optical,nuclear reactor control, and in the manufacture of phosphor, glass, laser crystal, high temperature dry film lubricant | 用于制造磷光体、玻璃、激光晶体、高温干膜润滑剂以及用于电子、光学和核子反应器控制方面 | 17/12/2014 |
| 160 | Cadmium sulphate | 硫酸镉 | 金属项 | 10124-36-4, 31119-53-6 | 233-331-6 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | Eyewash antiseptic and astringent, protective agent for polyethylene | 洗眼水的防腐和收敛剂，塑料工业用作聚乙烯的防老剂 | 17/12/2014 |

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|--|--|---|-------------|------------|-----------|--------------------------------------|--|------------------------------|------------|
| 161 | Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) | 二正辛基-双(硫乙二酸2-乙基己酯)锡(DOTE)和三(2-乙基己基硫基乙酸)辛锡(MOTE)的反应物料 | | - | - | Toxic for reproduction (Article 57c) | Used for hard and soft products, such as plates, tubes, films and all kinds of packaging containers, etc | 用于硬质和软质制品, 如板材、管材、薄膜与各种包装容器等 | 17/12/2014 |
| 162 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters | 1,2-苯二羧酸, 二-碳6-10-烷基酯:(癸基, 己基, 辛基)酯与1,2-苯二甲酸的复合物, 其邻苯二甲酸二己酯含量≥0.3% | 邻苯 | - | - | Toxic for reproduction (Article 57c) | Plasticizer,Lubricating oil | 增塑剂、润滑油 | 15/06/2015 |
| | 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters | | | 68648-93-1 | 272-013-1 | | | | |
| | 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters | | | 68515-51-5 | 271-094-0 | | | | |
| 163 | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] | 5-仲丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1], 5-仲丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合] (卡拉花醛及其异构体以及它们的混合物) | | - | - | vPvB (Article 57e) | Spices composition | 香料成分 | 15/06/2015 |
| | Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane | | 117933-89-8 | 413-720-9 | | | | | |
| | Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1S,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane | | - | 700-927-7 | | | | | |
| | 2-(2,4-Dimethylcyclohex-3-ene-1-yl)-5-methyl-(1-methylpropyl)-1,3-dioxane | | 117933-89-8 | 601-499-3 | | | | | |
| | 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans- | | 676367-09-2 | - | | | | | |
| | 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel- | | 343934-05-4 | - | | | | | |
| | 1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis- | | 676367-04-7 | - | | | | | |
| | 1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans- | | 676367-08-1 | - | | | | | |
| | 1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis- | | 676367-03-6 | - | | | | | |
| | 1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans- | | 676367-07-0 | - | | | | | |
| | 1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis- | | 676367-02-5 | - | | | | | |
| | 1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans- | | 676367-06-9 | - | | | | | |
| | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane | | - | - | | | | | |
| | 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel- | | 343934-04-3 | - | | | | | |
| | 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane | | - | - | | | | | |
| 1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)- | 186309-28-4 | - | | | | | | | |

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|-----------------------------------|--|-----------------------------------|---------------|-----------|---|--|--|------------|
| | 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel- | | 676367-05-8 | - | | | | |
| 164 | 1,3-propanesultone | 1,3-丙烷磺内酯 | 1120-71-4 | 214-317-9 | Carcinogenic (Article 57a) | Electrolyte fluid of lithium ion batteries | 锂离子电池的电解液 | 17/12/2015 |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV- | 2,4-二-叔丁基-6-(5-氯-2H-苯并三唑 | 3864-99-1 | 223-383-8 | vPvB (Article 57e) | UV-protection agents in coatings, plastics, rubber and cosmetics | 用作涂层、塑料、橡胶以及化妆品的防紫外线剂 | 17/12/2015 |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑(UV- | 36437-37-3 | 253-037-1 | vPvB (Article 57e) | UV-protection agents in coatings, plastics, rubber and cosmetics | 用作涂层、塑料、橡胶以及化妆品的防紫外线剂 | 17/12/2015 |
| 167 | Nitrobenzene | 硝基苯 | 98-95-3 | 202-716-0 | Toxic for reproduction (Article 57c) | Manufacture of other substances | 生产其他物质的中间体 | 17/12/2015 |
| 168 | Perfluorononan-1-oic-acid and its sodium and ammonium salts | 全氟壬酸及其钠和铵盐 | - | - | Toxic for reproduction (Article 57c) PBT (Article 57d) | Processing aid for fluoropolymer manufacture/lubricating oil additive/surfactant for fire extinguishers /cleaning agent/textile antifouling finishing agent/polishing surfactant/waterproofing agents and in liquid crystal display panels | 含氟聚合物加工助剂、润滑油添加剂、灭火器表面活性剂、清洗剂、纺织品防污整理剂、抛光表面活性剂、防水和液晶显示屏中 | 17/12/2015 |
| | Ammonium salts of perfluorononan-1-oic-acid | | -, 4149-60-4 | - | | | | |
| | Perfluorononan-1-oic-acid | | 375-95-1 | 206-801-3 | | | | |
| | Sodium salts of perfluorononan-1-oic- | | -, 21049-39-8 | - | | | | |
| 169 | Benzo[def]chrysene (Benzo[a]pyrene) | 苯并[a]芘 (BaP) | 50-32-8 | 200-028-5 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e) | Unintentionally add, usually as byproduct and impurities in the process of production | 非有意添加，一般为生产过程中的副产物或杂质存在 | 20/06/2016 |
| 170 | 4,4'-isopropylidenediphenol | 双酚A (BPA) | 80-05-7 | 201-245-8 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | Manufacture of polycarbonate, as a hardener for epoxy resins, as an anti-oxidant for processing PVC and in thermal paper production | 生产聚碳酸酯、做环氧树脂固化剂、加工PVC的抗氧化剂、热敏纸生产 | 12/01/2017 |
| 171 | 4-heptylphenol, branched and linear | 支链与直链的4-庚基酚 | - | - | Endocrine disrupting properties (Article 57(f) - environment) | Manufacture of polymers; formulation into lubricants | 用于生产聚合物和润滑剂 | 12/01/2017 |
| | 4-heptylphenol | | 1987-50-4 | 217-862-0 | | | | |
| | Phenol, heptyl derivs | | 72624-02-3 | 276-743-1 | | | | |
| | Phenol, 4-(1-ethyl-1,2-dimethylpropyl)- | | 30784-27-1 | - | | | | |
| | Phenol, 4-(1,1,2,2-tetramethylpropyl)- | | 72861-06-4 | - | | | | |
| | Phenol, 4-(1,1,3-trimethylbutyl)- | | 33104-11-9 | - | | | | |
| | Phenol, 4-(1,1-diethylpropyl)- | | 37872-24-5 | - | | | | |
| | Phenol, 4-(1,1-dimethylpentyl)- | | 30784-31-7 | - | | | | |
| | Phenol, 4-(1,2,2-trimethylbutyl)- | | 911371-06-7 | - | | | | |
| | Phenol, 4-(1,2-dimethylpentyl)- | | 854904-93-1 | - | | | | |
| | Phenol, 4-(1,3,3-trimethylbutyl)- | | 911371-07-8 | - | | | | |
| | Phenol, 4-(1,3-dimethylpentyl)- | | 71945-81-8 | - | | | | |
| | Phenol, 4-(1,4-dimethylpentyl)- | | 857629-71-1 | - | | | | |
| | Phenol, 4-(1-ethyl-2,2-dimethylpropyl)- | | 861010-65-3 | - | | | | |
| | Phenol, 4-(1-ethyl-3-methylbutyl)- | | 854904-92-0 | - | | | | |
| | Phenol, 4-(1-ethylpentyl)- | | 6465-74-3 | - | | | | |
| | Phenol, 4-(1-methylhexyl)- | | 6863-24-7 | - | | | | |
| | Phenol, 4-(1-propylbutyl)- | | 6465-71-0 | - | | | | |
| | Phenol, 4-(3-ethylpentyl)- | | 911370-98-4 | - | | | | |
| | Phenol, 4-(3-methylhexyl)- | | 102570-52-5 | - | | | | |
| | Phenol, 4-(4-methylhexyl)- | | 1139800-98-8 | - | | | | |
| | Phenol, 4-(5-methylhexyl)- | | 100532-36-3 | - | | | | |
| | Phenol, 4-[2-methyl-1-(1-methylethyl)propyl]- | | 1824346-00-0 | - | | | | |
| Phenol, 4-tert-heptyl- | 288864-02-8 | - | | | | | | |
| 4-(2,3-dimethylpentan-2-yl)phenol | 861011-60-1 | 854-135-2 | | | | | | |
| 4-(3-methylhexan-3-yl)phenol | 30784-32-8 | 854-958-7 | | | | | | |
| 172 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 全氟癸酸 (PFDA) 及其钠盐和铵盐 | - | - | Toxic for reproduction (Article 57c) PBT (Article 57d) | Lubricant, wetting agent, plasticiser and corrosion inhibitor | 用作润滑剂、润湿剂、增塑剂和腐蚀抑制剂 | 12/01/2017 |
| | Decanoic acid, nonadecafluoro-, sodium | | 3830-45-3 | - | | | | |
| | sodium nonadecafluorodecanoate | | 3830-45-3 | - | | | | |
| | Ammonium nonadecafluorodecanoate | | 3108-42-7 | 221-470-5 | | | | |
| | Nonadecafluorodecanoic acid | | 335-76-2 | 206-400-3 | | | | |
| 173 | p-(1,1-dimethylpropyl)phenol | 4-(1,1-二甲基丙基)苯酚 (别名: 对叔戊基苯酚) | 80-46-6 | 201-280-9 | Endocrine disrupting properties (Article 57(f) - environment) | Manufacture of chemicals and plastic products | 用于制造化学品和塑料制品 | 12/01/2017 |
| | Perfluorohexane-1-sulphonic acid and its salts(PFHxS) | | - | - | | | | |
| | potassium perfluorohexane-1-sulphonate | | 3871-99-6 | 223-393-2 | | | | |
| | perfluorohexane-1-sulphonic acid | | 355-46-4 | 206-587-1 | | | | |

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|---|
| tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1) |
| ammonium perfluorohexane-1-sulphonate |
| Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) |
| 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) |
| 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 |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) |
| Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclo-pentadecinium, 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) |
| Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) |
| 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) |
| 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) |
| 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) |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9Cl) |
| Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1) |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1) |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1) |
| 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) |
| 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 acid (1:1) |
| 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) |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1) |

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全氟己基磺酸及其盐 (PFHxS)

| | |
|-------------|-----------|
| 70225-16-0 | 274-462-9 |
| 68259-08-5 | 269-511-6 |
| 910606-39-2 | - |
| 911027-68-4 | - |
| 911027-69-5 | - |
| 92011-17-1 | - |
| 928049-42-7 | - |
| 153443-35-7 | - |
| 189274-31-5 | - |
| 202189-84-2 | - |
| 213740-81-9 | - |
| 341035-71-0 | - |
| 341548-85-4 | - |
| 350836-93-0 | - |
| 41184-65-0 | - |
| 41242-12-0 | - |
| 421555-73-9 | - |
| 421555-74-0 | - |
| 425670-70-8 | - |
| 55120-77-9 | - |

vPvB (Article 57e)

May be used as a plasticiser, lubricant, surfactant, wetting agent, corrosion inhibitor and in fire-fighting foams

可用作增塑剂、润滑剂、表面活性剂、润湿剂、腐蚀抑制剂,也可用在灭火泡沫中

07/07/2017

| | | | | | | | | |
|-----|--|--------------|---|-------------------|--------------------|--|--------------------------|------------|
| | Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 1000597-52-3 | - | | | | | |
| | 1-Butanaminium, N,N,N-tributyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid | 108427-54-9 | - | | | | | |
| | Ethanaminium, N,N,N-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) | 108427-55-0 | - | | | | | |
| | 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 | - | | | | | |
| | Methanaminiium, 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 | - | | | | | |
| | Methanaminiium, 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 | - | | | | | |
| | 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) (9Cl) | 866621-50-3 | - | | | | | |
| | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt | 82382-12-5 | - | | | | | |
| | 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 | - | | | | | |
| | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt | 70136-72-0 | - | | | | | |
| | 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 | - | | | | | |
| 175 | 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9,02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) (1S,2S,5R,6R,9S,10S,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1 ⁶ ,9,0 ² ,1 ³ ,0 ⁵ ,10]octadeca-7,15-diene (1S,2S,5S,6S,9R,10R,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1 ⁶ ,9,0 ² ,1 ³ ,0 ⁵ ,10]octadeca-7,15-diene | - | - | 得克隆 (包括其所有反式和顺式异构 | vPvB (Article 57e) | Used as a non-plasticising flame retardant, used in adhesives and sealants and in binding agents | 作为非塑化阻燃剂, 应用于胶黏剂、密封胶和黏合剂 | 15/01/2018 |

| | | | | | | | | | |
|-----|---|---|-----|------------|-----------|--|--|--|------------|
| | rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro- | 体及其组合 | | - | - | | | | |
| 176 | Benz[a]anthracene | 苯并[a]蒽 | | 56-55-3 | 200-280-6 | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | Normally not produced intentionally but rather occurs as a constituent or impurity in other substances | 通常不是有意生产，而是作为其它物质的组分或杂质 | 15/01/2018 |
| 177 | Cadmium carbonate | 碳酸镉 | 金属项 | 513-78-0 | 208-168-9 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | Used as a pH regulator and in water treatment products, laboratory chemicals, cosmetics and personal care products | 作为pH调节剂，用于水处理产品、实验室化学试剂、化妆品和个人护理产品 | 15/01/2018 |
| 178 | Cadmium hydroxide | 氢氧化镉 | 金属项 | 21041-95-2 | 244-168-5 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | Used for the manufacture of electrical, electronic and optical equipment and in laboratory chemicals | 用于实验室化学试剂，电子电气和光学设备的制造 | 15/01/2018 |
| 179 | Cadmium nitrate | 硝酸镉 | 金属项 | 10325-94-7 | 233-710-6 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | Used for the manufacture of glass, porcelain and ceramic products and in laboratory chemicals. | 用于实验室化学试剂，生产玻璃，陶瓷和瓷器产品 | 15/01/2018 |
| 180 | Chrysene | 屈 | | 218-01-9 | 205-923-4 | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | Normally not produced intentionally but rather occurs as a constituent or impurity in other substances. | 通常不是有意生产，而是作为其它物质的组分或杂质 | 15/01/2018 |
| 181 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs. Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine | 1, 3, 4-噻二唑烷-2, 5-二硫酮、甲醛和4-庚基苯酚的支链和直链 (RP-HP) 的反应产物 [4-庚基苯酚，支链和直链含量 ≥ 0.1% w / w] | | - | - | Endocrine disrupting properties (Article 57(f) - environment) | Used as a lubricant additive in lubricants and greases | 作为润滑剂和润滑脂中的润滑添加剂 | 15/01/2018 |
| | | | | 93925-00-9 | 300-298-5 | | | | |
| 182 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride | 偏苯三酸酐 (TMA) | | 552-30-7 | 209-008-0 | Respiratory sensitising properties (Article 57(f) - human health) | Manufacture chemicals, such as polyester resin, polyimide resin, high temperature insulation materials, PVC plasticizers, etc | 如合成聚酯树脂、聚酰亚胺树脂、耐高温绝缘材料、聚氯乙烯增塑剂等 | 27/06/2018 |
| 183 | Benzo[ghi]perylene | 苯并(g, h, i)芘 | | 191-24-2 | 205-883-8 | PBT (Article 57d) vPvB (Article 57e) | Not registered under REACH. Normally not produced intentionally but rather occurs as a constituent or impurity in other substances. | 一般不是有意生产的，而是作为其他物质的组分或者杂质而存在 | 27/06/2018 |
| 184 | Decamethylcyclotrasiloxane | 十甲基环五硅氧烷 (D5) | | 541-02-6 | 208-764-9 | PBT (Article 57d) vPvB (Article 57e) | Used in washing and cleaning products, polishes and waxes, cosmetics and personal care products, textile treatment products and dyes. | 用于洗涤和清洁产品，以及抛光打蜡、化妆品和个人护理产品，织物处理产品和染料 | 27/06/2018 |
| 185 | Dicyclohexyl phthalate | 邻苯二甲酸二环己酯 (DCHP) | 邻苯 | 84-61-7 | 201-545-9 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health) | Consumer Uses in adhesives and sealants, coating products, fillers, putties, plasters, modelling clay, finger paints, non-metal-surface treatment products, inks and toners, polishes and waxes, polymers and textile treatment products and dyes : PVC, rubber , plastic articles as plastisol. | 用于粘合剂和密封剂、涂层产品、填料、腻子、膏药、造型粘土、手指油漆、表层无金属治疗产品、油墨和墨粉、抛光和打蜡、聚合物和纺织品，染料，可以作为橡胶、塑胶的增塑剂 | 27/06/2018 |
| 186 | Disodium octaborate | 八硼酸二钠 | 金属项 | 12008-41-2 | 234-541-0 | Toxic for reproduction (Article 57c) | Used in anti-freeze products, heat transfer fluids, lubricants and greases, and washing and cleaning products. | 用于防冻产品、导热流体、润滑油和润滑脂、清洗和清洁产品 | 27/06/2018 |
| 187 | Dodecamethylcyclohexasiloxane | 十二甲基环六硅氧烷 (D6) | | 540-97-6 | 208-762-8 | PBT (Article 57d) vPvB (Article 57e) | Used in washing and cleaning products, polishes and waxes, cosmetics and personal care products | 用于洗涤和清洁产品，以及抛光打蜡、化妆品和个人护理产品 | 27/06/2018 |
| 188 | Ethylenediamine | 乙二胺 (EDA) | | 107-15-3 | 203-468-6 | Respiratory sensitising properties (Article 57(f) - human health) | Used in adhesives and sealants, coating products, fillers, putties, plasters, modelling clay, pH regulators and water treatment products. | 用于粘合剂和密封剂、涂层产品、填料、腻子、膏剂、造型粘土中，作为pH值调节剂和水处理产品 | 27/06/2018 |
| 189 | Lead | 铅 | 金属项 | 7439-92-1 | 231-100-4 | Toxic for reproduction (Article 57c) | Used in metals, welding and soldering products, metal surface treatment products, and polymers | 用于金属，焊接和钎焊产品，金属表面处理产品以及聚合物 | 27/06/2018 |
| 190 | Octamethylcyclotetrasiloxane | 八甲基环四硅氧烷 (D4) | | 556-67-2 | 209-136-7 | PBT (Article 57d) vPvB (Article 57e) | Used in washing and cleaning products, polishes and waxes and cosmetics and personal care products. | 用于洗涤和清洁产品，以及抛光打蜡、化妆品和个人护理产品 | 27/06/2018 |

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|---|--|--|-------------|-------------|-----------|--|---|--|------------|
| 191 | Terphenyl, hydrogenated | 氢化三联苯 | | 61788-32-7 | 262-967-7 | vPvB (Article 57e) | Used as a plastic additive, solvent, in coatings/inks, in adhesives and sealants, and heat transfer fluids. | 涂料/油墨、胶粘剂、密封剂和导热液体中作为塑料添加剂和溶剂 | 27/06/2018 |
| 192 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one | 1,7,7-三甲基-3-(苯亚甲基)双环[2.2.1]庚-2-酮 (3-亚苯基樟脑) | | 15087-24-8 | 239-139-9 | Endocrine disrupting properties (Article 57(f) - environment) | Mainly used for UV filters products. | 主要用于紫外线防护的产品 | 15/01/2019 |
| 193 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 4,4'-(1,3-二甲基丁基)二苯酚 | | 6807-17-6 | 401-720-1 | Toxic for reproduction (Article 57c) | Thermal paper, polymers, pesticides, dyes and other products production, but also used as surfactants and other uses. | 用于生产热敏纸、聚合物、农药、染料等产品,还可用作表面活性剂等用途 | 15/01/2019 |
| 194 | Benzo[k]fluoranthene | 苯并[k]荧蒽 | | 207-08-9 | 205-916-6 | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | Derived from coal or in several petroleum streams. Production of other chemicals and rubber, uses in road construction and as lubricants". | 主要来自于煤和石油等原材料中,可能存在于橡胶、道路建筑、润滑剂等产品中 | 15/01/2019 |
| 195 | Fluoranthene | 荧蒽 | | 206-44-0 | 205-912-4 | PBT (Article 57d) vPvB (Article 57e) | Derived from coal or in several petroleum streams. Production of other chemicals and rubber, uses in road construction and as lubricants". | 主要来自于煤和石油等原材料中,可能存在于橡胶、道路建筑、润滑剂等产品中 | 15/01/2019 |
| 196 | Phenanthrene | 菲 | | 85-01-8 | 201-581-5 | vPvB (Article 57e) | Derived from coal or in several petroleum streams. Production of other chemicals and rubber, uses in road construction and as lubricants". | 主要来自于煤和石油等原材料中,可能存在于橡胶、道路建筑、润滑剂等产品中 | 15/01/2019 |
| 197 | Pyrene | 芘 | | 129-00-0 | 204-927-3 | PBT (Article 57d) vPvB (Article 57e) | Derived from coal or in several petroleum streams. Production of other chemicals and rubber, uses in road construction and as lubricants. And used as a transported intermediate for the manufacture of fine chemicals. | 主要来自于煤和石油等原材料中,可能存在于橡胶、道路建筑、润滑剂等产品中。也用作精细化学品的转移中间体 | 15/01/2019 |
| 198 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides | 2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基卤化物 (HFPO-DA) | | - | - | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | Processing aid in the production of fluorinated polymers | 用作含氟聚合物生产的加工助剂 | 16/07/2019 |
| | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid | | 13252-13-6 | 236-236-8 | | | | | |
| | ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate | | 62037-80-3 | - | | | | | |
| | potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate | | 67118-55-2 | 266-578-3 | | | | | |
| | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride | | 2062-98-8 | 218-173-8 | | | | | |
| | Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)- | | 75579-40-7 | - | | | | | |
| Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)- | 75579-39-4 | - | | | | | | | |
| 199 | 2-methoxyethyl acetate | 乙二醇乙醚乙酸酯 | | 110-49-6 | 203-772-9 | Toxic for reproduction (Article 57c) | Used in the production of semiconductors, paints, lacquers, varnishes, inks, coatings, adhesives, textiles, leather, etc | 用于半导体的生产、油漆、亮漆、清漆、油墨、涂层、胶粘剂、纺织品、皮革等 | 16/07/2019 |
| 200 | 4-tert-butylphenol | 4-叔丁基苯酚 | | 98-54-4 | 202-679-0 | Endocrine disrupting properties (Article 57(f) - environment) | Used in coating products, polymers, adhesives, sealants and for the synthesis of other substances | 用于涂料产品,聚合物,粘合剂,密封剂和其他物质的合成 | 16/07/2019 |
| 201 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP) | 三(壬基苯基)亚磷酸酯 (TNPP) 其中4-壬基苯酚(支链和直链)(4-NP)含量大于等于0.1% | | - | - | Endocrine disrupting properties (Article 57(f) - environment) | Primarily used as an antioxidant to stabilise polymers | 主要用作抗氧化剂以稳定聚合物 | 16/07/2019 |
| | tris(4-nonylphenyl, branched) phosphite, tris(nonylphenyl) phosphite | | 26523-78-4 | 247-759-6 | | | | | |
| | tris(4-nonylphenyl, branched) phosphite | | - | 701-028-2 | | | | | |
| | Phenol, 4-nonyl-, phosphite (3:1) | | 3050-88-2 | - | | | | | |
| | Phenol, p-sec-nonyl-, phosphite | | 106599-06-8 | - | | | | | |
| Phenol, p-isononyl-, phosphite (3:1) | 31631-13-7 | - | | | | | | | |
| 202 | Diisohexyl phthalate | 邻苯二甲酸二异己酯 | 邻苯 | 71850-09-4 | 276-090-2 | Toxic for reproduction (Article 57c) | Sealant, plasticizers in polymers | 密封胶、聚合物中的增塑剂等 | 16/01/2020 |
| 203 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 2-苄基-2-二甲氨基-1-(4-吗啉苯基)丁酮 | | 119313-12-1 | 404-360-3 | Toxic for reproduction (Article 57c) | The substance is used in polymer production | 用于聚合物的加工 | 16/01/2020 |
| 204 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮 | | 71868-10-5 | 400-600-6 | Toxic for reproduction (Article 57c) | The substance is used in polymer production | 用于聚合物的加工 | 16/01/2020 |
| 205 | Perfluorobutane sulfonic acid (PFBS) and its salts | 全氟丁烷磺酸 (PFBS) 及其盐 | | - | - | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | Used as a catalyst/ additive/reactant in polymer manufacture and in chemical synthesis. It is also used as a flame retardant in polycarbonate (for electronic equipment). | 在聚合物生产和化学合成中用作催化剂/添加剂/反应物。也用作聚碳酸酯的阻燃剂(用于电子设备) | 16/01/2020 |

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|-----|--|---|--|----------------------|-----------|--|---|---|-----------|
| 206 | 1-vinylimidazole | 1-乙烯基咪唑 | | 1072-63-5 | 214-012-0 | Toxic for reproduction (Article 57c) | In formulations and as a monomer in the production of polymers | 用作聚合物生产中的中间体或单体 | 25/6/2020 |
| 207 | 2-methylimidazole | 2-甲基咪唑 | | 693-98-1 | 211-765-7 | Toxic for reproduction (Article 57c) | As a catalyst in the production of coating products | 作为催化剂用于涂料产品的生产 | 25/6/2020 |
| 208 | butyl 4-hydroxybenzoate | 对羟基苯甲酸丁酯 | | 94-26-8 | 202-318-7 | Endocrine disrupting properties (Article 57(f) - human health) | Cosmetics, personal care products and pharmaceuticals | 用于化妆品, 个人护理产品和药品 | 25/6/2020 |
| 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin | 双(乙酰丙酮酸)二丁基锡 | | 22673-19-4 | 245-152-0 | Toxic for reproduction (Article 57c) | As a catalyst and as an additive in the production of plastics | 在塑料生产中用作催化剂和添加剂 | 25/6/2020 |
| 210 | Bis(2-(2-methoxyethoxy)ethyl)ether | 四乙二醇二甲醚 | | 143-24-8 | 205-594-7 | Toxic for reproduction (Article 57c) | For inks or toners and to produce plastics and rubber tyres Flue gas cleaning systems, solvent for production of binders for paints, coalescing agent in paint formulations, adhesives production, electrodeposition, manufacture of soldering fluxes/solder pastes,adsorption liquid and gas scrubbing, formulations of paint strippers and adhesive removers, extraction of volatile organic compounds from solid wastes, inert additive for the fixation of methylated methylolmelamine resins in durable-press cotton and cellulosic fabrics, an HFC/CFC lubricant (automotive air conditioning (A/C) compressor),lithium-ion battery technology and in the selective adsorption of proteins during the promotion of cell adhesion,emulsifier of ink. | 用于油墨、调色剂, 以及生产塑料和橡胶轮胎, 用于烟道气清洁系统、油漆粘合剂生产用溶剂、涂料配方中的凝聚剂、胶粘剂生产、电沉积、焊锡/锡膏的生产、吸附式液气洗涤、脱漆剂和脱胶剂成分、用于固废中提取VOCs、用于耐压棉和纤维织物中固定甲基化羟甲基三聚氰胺树脂的惰性添加剂、汽车空调压缩机中HFC/CFC润滑剂、锂电池工艺、促进细胞黏附过程中的蛋白质选择性吸附, 在油墨中用作乳化剂 | 19/1/2021 |
| 211 | Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety | 二月桂酸二辛基锡, 锡烷, 二辛基-, 双(椰油酰氧基)衍生物, 以及任何其他锡烷, 二辛基-, 双(脂肪酰氧基)衍生物。其中C12为脂肪酰氧基部分的主要碳原子数 | | - | - | Toxic for reproduction (Article 57c) | For adhesives and sealants, coatings and paints, thinners, paint removers, fillers, putties, plasters, modelling clay, metal surface treatment products, non-metal-surface treatment products, ink and toners, products such as pH regulators, flocculants, precipitants, neutralisation agents, leather treatment products, paper and board treatment products, polishes and wax blends, polymer preparations and compounds, textile dyes and impregnating products as well as washing and cleaning products,plastic products,rubber tyres, fabrics, manufacture of textiles, apparel, and leather | 用于胶粘剂和密封剂、涂料和油漆、稀释剂、除漆剂、填料、腻子、石膏、模型粘土、金属表面处理产品、非金属表面处理产品、油墨和调色剂、碳粉、pH调节剂、絮凝剂、沉淀剂、中和剂、皮革处理产品、纸张处理剂、抛光剂、蜡混合物、聚合物制剂、纺织品染料、浸渍产品、清洗和清洁产品, 用于塑料制品、橡胶轮胎、布料、纺织品、服装和皮革的生产 | 19/1/2021 |
| | Diocetyl tin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. | | | - | - | | | | 19/1/2021 |
| | Diocetyl tin dilaurate | | | 91648-39-4 | 293-901-5 | | | | 19/1/2021 |
| | | | | 3648-18-8 | 222-883-3 | | | | 19/1/2021 |
| 212 | 1,4-dioxane | 1,4-二恶烷 | | 123-91-1 | 204-661-8 | Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | Solvent. The substance is used in laboratory chemicals, pH regulators, water treatment products and as a solvent for the manufacture of other chemicals. | 溶剂。 用于实验室化学品、pH调节剂、水处理产品以及用作制造其他化学品的溶剂。 | 8/7/2021 |
| 213 | 2,2-bis(bromomethyl) propane 1,3-diol (BMP) | 2,2-双(溴甲基)-1,3-丙二醇(BMP) | | 3296-90-0 | 221-967-7 | Carcinogenic (Article 57a) | BMP: manufacture of polymer resins and in one component foam (OCPF) application. TBNPA: polymer production manufacture of plastics products, including compounding and conversion and as an intermediate. DBPA: registered as an intermediate. | BMP: 聚合物树脂的制造和单组分泡沫(OCPF)应用。 TBNPA: 塑料制品的聚合物生产制造, 包括合成和转化以及作为中间体。 DBPA: 注册为中间体。 | 8/7/2021 |
| | 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) | 三溴新戊醇/3-溴-2,2-二溴乙基丙醇(TBNPA) | | 36483-57-5/1522-92-5 | 253-057-0 | | | | |
| | 2,3-dibromo-1-propanol (2,3-DBPA) | 2,3-二溴丙醇(2,3-DBPA) | | 96-13-9 | 202-480-9 | | | | |
| 214 | 2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers | 2-(4-叔丁基苄基)丙醛及其立体异构体 | | - | - | Toxic for reproduction (Article 57c) | Cleaning agents, cosmetics, in scented articles, polishes and wax blends. | 清洁剂、化妆品、香味物品、抛光剂和蜡混合物。 | 8/7/2021 |
| | (2R)-3-(4-tert-butylphenyl)-2-methylpropanal | | | 75166-31-3 | - | | | | |
| | 2-(4-tert-butylbenzyl)propionaldehyde | | | 80-54-6 | 201-289-8 | | | | |
| | (2S)-3-(4-tert-butylphenyl)-2-methylpropanal | | | 75166-30-2 | - | | | | |

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|-----|---|---|--------------|------------|-----------|---|--|---------------------------|----------|
| 215 | 4,4'-(1-methylpropylidene) bisphenol (bisphenol B) | 2,2-二(4-羟基苯基)丁烷 (双酚B) | | 77-40-7 | 201-025-1 | Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | May be used in manufacture of phenolic and polycarbonate resin. | 可用于制造酚醛树脂和聚碳酸酯树脂。 | 8/7/2021 |
| 216 | Glutaral | 戊二醛 | | 111-30-8 | 203-856-5 | Respiratory sensitising properties (Article 57(f) - human health) | Biocides, leather tanning, x-ray film processing, cosmetics. | 杀菌剂, 皮革制革, x光胶片处理, 化妆品。 | 8/7/2021 |
| 217 | Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C ₁₄ to C ₁₇] | 中链氯化石蜡 (MCCP) (UVCB物质, 由≥80%的直链氯代烷烃组成, 碳链长度在C14到C17之间) | | - | - | PBT (Article 57d) vPvB (Article 57e) | Flame retardants, plasticising additives in plastics, sealants, rubber and textiles. | 阻燃剂、塑料、密封剂、橡胶和纺织品中的增塑添加剂。 | 8/7/2021 |
| | Alkanes, C14-16, chloro | | 1372804-76-6 | - | | | | | |
| | Alkanes, C14-17, chloro | | 85535-85-9 | 287-477-0 | | | | | |
| | di-, tri- and tetrachlorotetradecane | | - | 950-299-5 | | | | | |
| | Tetradecane, chloro derivs. | | 198840-65-2 | - | | | | | |
| 218 | Orthoboric acid, sodium salt | 硼酸钠盐 | 金属项 | - | - | Toxic for reproduction (Article 57e) | May be used as solvent and corrosion inhibitor. | 可用作溶剂和缓蚀剂。 | 8/7/2021 |
| | boric acid (H3BO3), sodium salt, hydrate | | | 25747-83-5 | - | | | | |
| | Boric acid (H3BO3), disodium salt | | | 22454-04-2 | - | | | | |
| | Trisodium orthoborate | | | 14312-40-4 | 238-253-6 | | | | |
| | Boric acid, sodium salt | | | 1333-73-9 | 215-604-1 | | | | |
| | Orthoboric acid, sodium salt | | | 13840-56-7 | 237-560-2 | | | | |
| | Boric acid (H3BO3), sodium salt (1:1) | | | 14890-53-0 | - | | | | |
| 219 | Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) | 烷基酚, 碳链(C12为主, 直链或支链) 主要在对位, 包括其任何单个异构体或组合 (PDDP) | | - | - | Toxic for reproduction (Article 57e) Endocrine disrupting properties (Article 57(f) – human health) Endocrine disrupting properties (Article 57(f) – environment) | May be used as solvent and corrosion inhibitor. | 润滑油添加剂材料和燃油系统清洁剂的制备。 | 8/7/2021 |
| | Phenol, 4-dodecyl, branched | | 210555-94-5 | - | | | | | |
| | 4-isododecylphenol | | 27459-10-5 | - | | | | | |
| | Phenol, 4-isododecyl- | | 27147-75-7 | - | | | | | |
| | Phenol, dodecyl-, branched | | 121158-58-5 | 310-154-3 | | | | | |
| | Phenol, (tetrapropenyl) derivatives | | 74499-35-7 | - | | | | | |
| | Phenol, tetrapropylene- | | 57427-55-1 | - | | | | | |

声明: 上述中文翻译仅供参考, 如有歧义, 请以英文版本为准。

Note: 0.1wt%=1000ppm