

REACH Declaration of compliance

REACH (Registration, Evaluation, Authorization, and Restriction of Chemical substances) is an EU regulation that manages all chemicals in EU market. Control measures including: registration, evaluation, authorization, and information disclosure.

歐盟 REACH 法規(化學品註冊、評估、授權、限制法規)是歐盟管理進入其市場的所有化學品的法規，管制措施包括：註冊、評估、授權、資訊揭露等。

Tragant International Co., Ltd. guarantees that all original and newly added Products or parts (including raw materials) are in compliance with REACH norms and specific list of substances as follows:

Tragant International Co., Ltd. 保證提供的所有原定和新增加的製品或零件(包括原材料)皆符合 REACH 規範，具體物質清單如下：

Updated at 2013/12/31

No. 編號	Substance Name 物質名稱	CAS No. CAS 編號	EC No. EC 編號	Possible Application 可能的應用
1	Cobalt dichloride 二氯化鈷	7646-79-9	231-589-4	Drying agent 乾燥劑。
2	Sodium dichromate, dihydrate 重鉻酸鈉二水合物	7789-12-0	234-190-3	Pigments and corrective protection for metal 染色及金屬防銹。
3	Diarsenic pentaoxide 五氧化砷	1303-28-2	215-116-9	Pesticide 殺蟲劑。
4	Diarsenic trioxide 三氧化二砷	1327-53-3	215-481-4	Pesticide 殺蟲劑。
5	Lead hydrogen arsenate 酸式砷酸鉛	7784-40-9	232-064-2	Pesticide 殺蟲劑。
6	Triethyl arsenate 三乙基砷酸酯	15606-95-8	427-700-2	Wood preservation 木材防腐劑。
7	Dibutyl phthalate, DBP 鄰苯二甲酸二丁酯	84-74-2	201-557-4	Plasticizer of resin 增塑劑。
8	Bis (2-ethyl(hexyl)phthalate), DEHP 鄰苯二甲酸二(2-乙基己)酯	117-81-7	204-211-0	Plasticizer of resin 增塑劑。
9	Benzyl butyl phthalate, BBP 鄰苯二甲酸丁基酯	85-68-7	201-622-7	Plasticizer of resin 增塑劑。
10	Anthracene 蒽	120-12-7	204-371-1	Raw material for other synthesis 其它合成反應之中間體。
11	Bis(tributyltin)oxide 三丁基錫氧化物	56-35-9	200-268-0	Biocide 殺菌劑。
12	5-tert-butyl-2,4,6- trinitro-m-xylene ,musk xylene 二甲苯麝香	81-15-2	201-329-4	Cosmetics 化妝品。
13	HBCDD, Hexabromocyclododecane 六溴環十二烷	25637-99-4	247-148-4	Flame retardant 阻燃劑。
14	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) C10-13 氯代烴(短鏈氯化蠟)	85535-84-8	287-476-5	Lubricants and liquoring 潤滑劑和潤溼劑。
15	4,4'-Diaminodiphenylmethane 4,4'-二氨基二苯甲烷	101-77-9	202-974-4	Hardener of epoxy and dyes of azo compound 環氧樹脂固化劑和偶氮染料。
16	Anthracene oil 蔥油	90640-80-5	292-602-7	Use for paint, preservation oil for wood, pesticide...etc 製造塗料，木材防腐油，殺蟲劑等。
17	Anthracene oil, anthracene paste, distn. lights 蔥油，蔥糊，輕油	91995-17-4	295-278-5	Use for paint, preservation oil for wood, pesticide...etc 製造塗料，木材防腐油，殺蟲劑等。
18	Anthracene oil, anthracene paste, anthracene fraction 蔥油，蔥糊，蔥鹼分離液	91995-15-2	295-275-9	Use for paint, preservation oil for wood, pesticide...etc 製造塗料，木材防腐油，殺蟲劑等。
19	Anthracene oil, anthracene-low 蔥油，含蔥量少	90640-82-7	292-604-8	Use for paint, preservation oil for wood, pesticide...etc 製造塗料，木材防腐油，殺蟲劑等。
20	Anthracene oil, anthracene paste 蔥油，蔥糊	90640-81-6	292-603-2	Use for paint, preservation oil for wood, pesticide...etc 製造塗料，木材防腐油，殺蟲劑等。
21	Coal tar pitch, high temperature 煤瀝青，高溫	65996-93-2	266-028-2	Use for paint, moisture-proof layer 用於塗料、防潮層。
22	Acrylamide 丙烯醯胺	79-06-1	201-173-7	An Intermediate in the production of polyacrylamides 聚丙烯醯胺生產過程之中間產物。
23	2,4-Dinitrotoluene 2,4-二硝基甲苯	121-14-2	204-450-0	Intermediate in the production of TDI or gelatinizing-plasticizing agent. TDI 生產之中間產物或膠狀之增塑劑。
24	Diisobutyl phthalate 鄰苯二甲酸二異丁酯	84-69-5	201-553-2	A Plasticizer in several consumer products 多種消費性電子產品中使用之增塑劑。
25	Lead chromate 鉻酸鉛	7758-97-6	231-846-0	Use as pigments and corrosive protection properties and bright colors. 做為顏料或防銹或黃色顏色等應用。
26	Lead chromate molybdate sulphate red 紅色鉻鉬酸鉛硫酸鹽	12656-85-8	235-759-9	Red pigment in plastic coloring, as well as industrial paint. 塑膠中使用之紅色顏料，亦可用做工業上的漆料。
27	Lead sulfochromate yellow 黃色硫化鉻酸鉛	1344-37-2	215-693-7	Yellow pigment in plastic coloring, as well as industrial paint. 塑膠中使用之黃色顏料，亦可用做工業上的漆料。
28	Tris(2-chloroethyl)phosphate 三 2-(氯乙基)磷酸酯	115-96-8	204-118-5	Used as a flame retardant. (Historically use in Polyurethane foam in EU). 用作阻燃劑(歷史資料曾在歐洲用作為聚氨酯發泡材料)。

R E A C H 第三批 2010-06-18	29	Trichloroethylene 三氯乙稀	79-01-6	201-167-4	Cleaning and degreasing of metal parts, solvent in adhesives 金屬部件的清洗劑和去污劑，黏合劑中的溶劑。
	30	Boric acid 硼酸	10043-35-3 11113-50-1	233-139-2 234-343-4	Use includes multitude of applicants: ex; preservatives, glass, ceramics, rubber, flame retardants and paints...etc 具有多種用途，例如防腐劑、玻璃、陶瓷、橡膠、阻燃劑及塗料等。
	31	Disodium tetraborate, anhydrous 四硼酸鈉，無水	1330-43-4 12179-04-3 1303-96-4	215-540-4	Use includes multitude of applicants: ex; glass, ceramics, detergents, cleaners and flame retardants...etc 具有多種用途，例如玻璃、陶瓷、洗滌劑、清潔劑及阻燃劑等。
	32	Tetraboron disodium heptaoxide, hydrate 四硼酸鈉，水合物	12267-73-1	235-541-3	Use includes multitude of applicants: ex; glass, ceramics, detergents, cleaners and flame retardants...etc 具有多種用途，例如玻璃、陶瓷、洗滌劑、清潔劑及阻燃劑等。
	33	Sodium chromate 鉻酸鈉	7775-11-3	231-889-5	Manufacture of other chromium compounds 生產其它含鉻化合物。
	34	Potassium chromate 鉻酸鉀	7789-00-6	232-140-5	Treatment and coating of metals, coloring agent in ceramics, manufacturer of pigments /inks 金屬處理及鍍層、陶瓷著色劑、生產顏料及油墨等。
	35	Ammonium dichromate 重鉻酸銨	7789-09-5	232-143-1	Oxidizing agent and metal treatment...etc 氧化劑及金屬處理等。
R E A C H 第四批 2010-12-15	36	Potassium dichromate 重鉻酸鉀	7778-50-9	231-906-6	Chrome metal manufacturing, treatment and coating of metals, wood treatment...etc 生產金屬鉻、金屬處理及鍍層、材料處理等。
	37	Cobalt(II) sulfate 硫酸鈷	10124-43-3	233-334-2	Use in production of others chemicals, manufacture of catalysts, surface treatment, corrosion prevention, pigment, decolorizing and batteries 生產其它化學品、或用於製程催化劑、表面處理、防銹、顏料、脫色劑和電池。
	38	Cobalt(II) dinitrate 硝酸鈷	10141-05-6	233-402-1	Used as production of others chemicals, manufacture of catalysts, surface treatment and battery 生產其它化學品、製程催化劑、表面處理和電池。
	39	Cobalt(II) carbonate 碳酸鈷	513-79-1	208-169-4	Used as manufacture of catalysts, surface treatment, pigment, adhesive and feed additives. 作為製程催化劑、表面處理、合金、顏料、黏膠和飼料添加劑。
	40	Cobalt(II) (di)acetate 醋酸鈷	71-48-7	200-755-8	Used in manufacture of catalysts, production of others chemicals, surface treatment, alloys, pigment, adhesive and feed additives. 作為製程催化劑、生產其它化學品、表面處理、合金、顏料、黏膠和飼料添加劑。
	41	2-Methoxyethanol 乙二醇甲醚	109-86-4	203-713-7	Used as solvent, chemical intermediate and additive for fuels. 作為溶劑、化學中間體及燃料添加劑。
	42	2-Ethoxyethanol 乙二醇乙醚	110-80-5	203-804-1	Used as solvent, chemical intermediate 作為溶劑和化學中間體。
R E A C H 第五批 2011-06-20	43	Chromium trioxide 三氧化鉻	1333-82-0	215-607-8	Used as metal finishing and as fixing agent in waterborne wood preservations 作為金屬後處理及水運木頭防腐劑的調和劑。
	44	Acids generated from chromium trioxide and their oligomers: chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid 以三氧化鉻產生的酸類以及它們的寡聚合物：鉻酸、重鉻酸和重鉻的寡聚合物	7738-94-5 13530-68-2	231-801-5 236-881-5	These acids and their oligomers are generated when chromium trioxide is dissolved in water. 三氧化鉻溶解於水中，產生酸及它們的寡聚合物。
	45	2-Ethoxyethylacetate 2-乙氧基乙基乙酸酯	111-15-9	203-839-2	Used as solvent in resin, leather, ink. 用作樹脂、皮革、油墨等的溶劑。
	46	Strontium chromate 鉻酸銣	7789-06-2	232-142-6	Paint manufacture and coloring agent inorganic yellow 用於塗料及銣黃顏料。
R E A C H 第六批 2011-12-19	47	1,2-Benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters(DHNUP) 鄰苯二甲酸二(C7-11支鏈與直鏈)烷基酯	68515-42-4	271-084-6	Plasticizer of resin 增塑劑。
	48	Hydrazine 肼	7803-57-8 302-01-2	206-114-9	Used as deoxidizer and solvent. 用作還原劑及溶劑。
	49	1-Methyl-2-pyrrolidone 1-甲基-2-吡咯烷酮	872-50-4	212-828-1	Used as solvent 用作溶劑。
	50	1,2,3-Trichloropropane 1,2,3-三氯丙烷	96-18-4	202-486-1	Used as solvent 用作溶劑。
	51	1,2-Benzenedicarboxylic acid, di-C6-8 branched alkyl esters, C7-rich(DIHP) 鄰苯二甲酸二(C6-8支鏈與直鏈)烷基酯，富C7	71888-89-6	276-158-1	Plasticizer of resin 增塑劑。
R E A C H 第六批 2011-12-19	52	Zirconia Aluminosilicate Refractory Ceramic Fibers (Zr-RCF) 氧化鋯矽酸鋁，耐火陶瓷纖維	---	---	Used for man-made vitreous fibers, high-temperature insulation, equipment for automotive and aircraft/aerospace, and in fire protection material 用於人造玻璃纖維、高溫絕緣、汽車及航太工業設備、和防火材料。
	53	Calcium arsenate 砷酸鈣	7778-44-1	231-904-5	Mainly to be used in metallurgical refinement processes to precipitate nickel from molten copper and to manufacture diarsenic trioxide. Most of the substances be disposed of as waste. 主要用於冶金過程中熔融銅中沉澱出鎳和製造三氧化二砷。此物質使用後多作為廢棄物棄置。
	54	Bis(2-methoxyethyl) ether 二乙二醇二甲醚	111-96-6	203-924-4	Used as a reaction solvent or process chemical in wide variety of application, solvent of battery electrolytes, sealants, adhesive and fuels...etc 主要作為溶劑和製程化學品、如電池液、黏膠、密封膠和燃料等產品。
	55	Aluminosilicate Refractory Ceramic Fibers (RCF) 矽酸鋁，耐火陶瓷纖維	---	---	Used for electrical and domestic appliances, high-temperature insulation, equipment for automotive and aircraft/aerospace, and in fire protection material 用於電氣設備和家用電器，高溫絕緣材料，用於汽車和航空/航天設備，防火材料。
	56	Potassium hydroxyoctaoxodizincatedichromate 氫氧化鉻酸鉀鋅	11103-86-9	234-329-8	Mainly used in coatings in the vehicle coating and aeronautical/aerospace sectors 主要用作汽車塗裝和航空材料的塗料
	57	Lead dipicrate 苦味酸鉛	6477-64-1	229-335-2	Mainly used as explosive, like lead diazide and lead styphnate, as detonator mixtures. 主要用於爆炸物，如同透氮化鉛和收斂酸鉛，作為雷管中的混合物。
	58	N,N-dimethylacetamide (DMAC) N,N-二甲基乙醯胺	127-19-5	204-826-4	Mainly use as solvent, manufacture variety substances and fiber for clothing. And reagent of industry coating, paint strippers and ink removers 主要作為溶劑，製造各種材料和紡織纖維，以及反應劑、如工業塗料、脫漆劑及油墨去除劑等。
	59	Arsenic acid 砷酸	7778-39-4	231-901-9	Mainly used to remove gas bubble from ceramic glass melt and for improving adhesion in between copper foil and resin in the production of laminated PCB 主要用於從陶瓷玻璃熔體移除氣泡、和生產電路板時改善銅箔和樹脂的黏著力。
	60	2-Methoxyaniline; o-Anisidine 鄰甲氧基苯胺	90-04-0	201-963-1	Mainly use in the manufacture of dyes for tattooing and coloration of paper, polymers and aluminum foil. 主要用於製作紋身染料，以及紙張、聚合物及鋁箔的染色。

61	Trilead diarsenate 磷酸鉛	3687-31-8	222-979-5	Present in complex raw material imported for manufacturer of copper, lead and range of precious metals. 出現在製造多種金屬的原料中，例如：銅、鉛和多種貴金屬。
62	1,2-dichloroethane 1,2-二氯乙烷	107-06-2	203-458-1	Use as manufacture of plastic substances, minor use as solvent of in chemical and pharmaceutical industry. 作為合成塑料的原料，少量作為溶劑在化學及製藥工業中使用。
63	Pentazine chromate octahydroxide 鉍黃(C.I.顏料黃 36)	49663-84-5	256-418-0	Mainly used in coating in the vehicle coating and aeronautical/ aerospace sectors. 主要用在汽車塗料、航空材料的塗料。
64	4-(1,1,3,3-tetramethylbutyl)phenol 對特辛基苯酚	140-66-9	205-426-2	Mainly use in the manufacture of polymer preparations and of ethoxylates. Further used as a component in adhesives, coatings, inks and rubber articles. 主要用於製造聚合物、和乙氧基化合物，還可作為黏膠、塗料、油墨及橡膠製品的材料。
65	Formaldehyde, oligomeric reaction products with aniline (technical MDA) 甲醛和苯胺聚合物	25214-70-4	500-036-1	Mainly used for manufacturer others substances. Minor uses are as hardener of epoxy resins, e.g. for the production of rolls, pipes and moulds, and as well for adhesives. 主要用於合成其它物質、少量用於環氧樹脂的硬化劑，如卷材、管材、模具和黏膠的生產等。
66	Bis(2-methoxyethyl) phthalate (DMEP) 鄰苯二甲酸二甲氧乙酯	117-82-8	204-212-6	Mainly used as plasticizer in polymeric material and paints, lacquers and varnishes, includes printing inks. 主要作為聚合材料及油漆、亮漆及清漆，包括印刷油墨的塑化劑。
67	Lead diazide, Lead azide 迭氮化鉛	13424-46-9	236-542-1	Mainly used as initiator or booster in detonators for both civilian and military uses and as initiator in pyrotechnic devices. 主要用作民用和軍用雷管的啟動器或助推器，及烟火裝置的啟動器。
68	Lead styphnate 收敏酸鉛	15245-44-0	239-290-0	Mainly use as a primer for small calibre and rifle ammunition. Other common uses are in munitions pyrotechnic, powder actuated devices and detonators for civilian use. 主要用於小口徑步槍彈藥的底漆、其它用作軍用烟火彈藥、火藥起爆驅動裝置和民用雷管。
69	2,2'-dichloro-4,4'-methylenedianiline (MOCA) 2,2'-二氯-4,4'-二氨基二苯基甲烷	101-14-4	202-918-9	Mainly used as curing agent in resin and in the production of polymer articles and also for manufacture of other substances. The substances may further be used in construction and arts. 主要用作樹脂和聚合物的固化劑、也用於製造其它物質，進一步作為建築或藝術的材料。
70	Phenolphthalein 酚酞	77-09-8	201-004-7	Mainly used as laboratory agent for the production of pH-indicator paper and in medicinal products. 主要用作實驗室試劑、用於 pH 試紙及醫藥產品生產。
71	Dichromium tris(chromate) 鉻酸鉻	24613-89-6	246-356-2	Mainly used in mixture for metal surface treatment in the aeronautical/aerospace, steel and aluminum coating sectors. 主要於航空金屬的表面處理、鋼材和鋁材的塗料。
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) 三甘醇二甲醚	112-49-2	203-977-3	Used as solvent or as a processing aid in the manufacture and formulation of industrial chemicals. Minor uses in brake fluids and repair of motor vehicles. 用於生產及化學工業用溶劑及助劑，少部份用於煞車液及車輛維修。
73	1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME) 1,2-二甲氧基乙烷	110-71-4	203-794-9	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 用於生產及化學工業用溶劑及助劑，包括鋰電池的解質液。
※74	Diboron trioxide 三氧化二硼	1303-86-2	215-125-8	Multitude of applications, e.g. in glass and glass fibers, ceramics, flame retardants, catalysts, metallurgy, adhesives, inks/paints, detergents and cleaners, biocides and insecticides. 多種用途，如玻璃及玻纖、陶瓷、阻燃劑、催化劑、冶金、□合劑、油墨/油漆、清潔劑與殺蟲劑。
75	Formamide 甲酰胺	75-12-7	200-842-0	Mainly used as an intermediate of industrial chemicals. Minor uses as a lab reagent and solvent. The substance seems to also be used as a plasticizer. 主要用作化學工業的中間體。少部份用於實驗室試劑或溶劑，也可能用作塑化劑。
76	Lead(II)bis(methanesulfonate) 甲磺酸鉛(II)溶液	17570-76-2	401-750-5	Mainly used in plating processes of electronic component. The substance seems to also be used for batteries in special applications. 主要是電子零件的電鍍，亦可在應用在電池上。
77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC) 異氰尿酸三縮水甘油酯	2451-62-9	219-514-3	Mainly used as a hardener in resins and coatings. also used in inks, electrical insulation material, laminated sheeting, tools, adhesives, lining materials and stabilizers for plastics. 主要用於樹脂及塗料之固化劑、亦用作油墨、電子絕緣材料、薄膜層、模具、□合劑、紡織材料及塑料安定劑。
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC) 晉罗昔隆	59653-74-6	423-400-0	Mainly used as a solder mask inks, also used in inks, electrical insulation material, laminated sheeting, tools, adhesives, lining materials and stabilizers for plastics. 主要用作護銅劑、亦用作油墨、電子絕緣材料、薄膜層、模具、□合劑、紡織材料及塑料安定劑。
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone) 4,4'-四甲基二氮二苯酮	90-94-8	202-027-5	Used as an intermediate in the manufacture of triphenylmethane dyes and other substances. Further potential uses include use as an additive in dyes and pigments, and as a process chemical in the production of electronic circuit boards. 用於二苯基甲烷染料及其它物質的中間體，未來可能用作染料及顏料的添加劑，和電路板化學品等。
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) 4,4'-亞甲基雙(N,N-二甲基苯胺)	101-61-1	202-959-2	Used as an intermediate in the manufacture of dyes and other substances. 用於染料及其它物質製造的中間體及其物質。
81	[4-[[4-anilino-1-naphthyl][4-(dimethylamino) phenyl] methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) 碱性藍 26	2580-56-5	219-943-6	Used in the formulation of inks, cleaners, and coatings, as well as for dyeing paper, packaging, textiles, plastic products, and other types of articles. 用於油墨、清潔劑和鍍層、也包括染色紙、包裝、紡織和塑料等產品。
82	4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) 結晶紫	548-62-9	208-953-6	Used mainly for paper coloring and inks supplied in printer cartridges and ball pens. Further uses include as a marker for increasing the visibility of liquids, staining in microbial and clinical laboratories. 主要用於紙張染色、印表機墨水和原子筆墨水。未來可能用在增加液體能見度、及微生物及臨床實驗室染色。
83	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol A,A-二(二甲氨基)苯基-4-甲基基苯醇	561-41-1	209-218-2	Used in the formulation of writing inks and potentially other inks, as well as for dyeing a variety of materials. 用於書寫油墨的生產，也可有用於其他車油墨的生產，以及各種材料的染色。
84	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) 溶剂藍 4	6786-83-0	229-851-8	Mainly used in the formulation of printing and writing inks, for dyeing paper and in mixtures such as windscreen washing agents. 用於書寫及印刷墨水，及紙張染色與汽車擋風玻璃的清潔劑。

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85	Bis(pentabromophenyl) ether (DecaBDE) 十溴聯苯醚	1163-19-5	214-604-9	Flame retardants commonly used in plastics, polymers and textiles. 阻燃劑，常用於塑膠、聚合物及紡織品。
86	Pentacosafluorotridecanoic acid 全氟十三烷酸	72629-94-8	276-745-2	Intermediates for the production of perfluoro compounds (PFCs). PFCs often applied to the fabric of antifouling / waterproof / oil resistant protective function; paper waterproof / oil resistant coating; wipers; bicycle chain lubricant; wire and cable insulation; drug packaging materials; engine oil additive; nail polish; perm, and straight hair, etc... 用以生產全氟化合物 (PFCs) 之中間體。PFCs 常應用於面料之防汗/防水/防油保護功能；紙張之防水/防油塗層；雨刷；自行車鏈條潤滑劑；電線電纜絕緣層；藥品包材；機油添加劑；指甲油；燙髮劑及直髮劑等。
87	Tricosoiafluorododecanoic acid 全氟十二烷酸	307-55-1	206-203-2	
88	Henicosoiafluoroundecanoic acid 全氟十一烷酸	2058-94-8	218-165-4	
89	Heptacosoiafluorotetradecanoic acid 全氟代十四酸	376-06-7	206-803-4	
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues 辛基酚聚醚-9，包括界定明確的物質以及 UVCB 物質	---	---	Paints, coatings, production intermediates ether sulfates. 油漆、塗料、生產醚硫酸鹽之中間體。
91	4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof 分支或線性的壬基酚，含有線性或分支、共價綁定苯酚的 9 個碳烷基鏈的物質，包括 UVCB 物質以及任何含有獨立或組合的界定明確的同分異構體的物質	---	---	Non-ionic surfactants; hardener; oil emulsifier; fungicides; plastics and rubber antioxidants. 非離子界面活性劑；硬化劑；石油乳化劑；殺菌劑；塑膠和橡膠之抗氧化劑。
92	Diazeno-1,2-dicarboxamide (C,C'-azodi (formamide)) 偶氮二甲醯胺	123-77-3	204-650-8	Wheat flour and flour treatment agents; the bakery rapid fermentation agent; foaming agent (widely used in polyvinyl chloride, polyethylene, polypropylene, ABS resin and rubber). 小麥粉及麵粉處理劑；焙烤食品快速發酵劑；發泡劑(廣泛應用於聚氯乙烯、聚乙烯、聚丙烯、ABS 樹脂和橡膠)。
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) 順環己烷-1,2-二羧酸酐	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	Often as a plasticizing agent; anthelmintic; adhesives; rust intermediates; resin modifier; epoxy curing agent. 常作為塑化劑；驅蟲劑；膠黏劑；防鏽的中間體；樹脂改質劑；環氧樹脂的固化劑。
94	Hexahydro-1,2,3,4-tetrahydrophthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride 甲基六氫苯酐，4-甲基六氫苯酐，甲基六氫鄰苯二甲酸酐，3-甲基六氫鄰苯二甲酸酐	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	Commonly used to the manufacture of polyester and alkyd resins and as thermoplastic polymers, plasticizing agent; may also be used as the hardening agent of the epoxy resin and a thermoplastic polymer, for example; also containing ingredients in the nail polish. 常用以製造聚酯和醇酸樹脂及當作熱塑性聚合物中之塑化劑；亦可用作環氧樹脂及熱塑性聚合物之硬化劑，例如：指甲油中也會含此成分。
95	Methoxy acetic acid 甲氧基乙酸	625-45-6	210-894-6	Methoxy acetic acid (MAA) is a widely used solvent in the industry, such as paint, enamel, novolac and alkyl resin solvent; MAA also as a chemical intermediate used in the production of ethylene glycol monomethyl ether (EGME); plasticizing agent, often used in coatings, printing, textile and leather industry; plant protection agents; medicines. 甲氧基乙酸 (MAA) 是業界廣泛應用之溶劑，如漆、瓷漆、酚醛清漆和烷基樹脂中之溶劑；MAA 亦作為化學中間體，用於生產乙二醇甲醚 (EGME)；塑化劑，常應用於塗料、印刷、紡織和皮革工業；植物保護劑；藥品等。
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear 1,2-苯二羧酸二戊酯 (支鏈和直鏈)	84777-06-0	284-032-2	Plasticizer. 塑化劑。
97	Diisopentylphthalate (DIPP) 鄰苯二甲酸二異戊酯	605-50-5	210-088-4	Plasticizers; lubricants; gas mass spectrometry analysis of the stationary phase. 塑化劑；潤滑劑；氣相質譜分析固定液。
98	N-pentyl-isopentylphthalate 鄰苯二甲酸正戊基異戊酯	776297-69-9	---	Plasticizer. 塑化劑。
99	1,2-Diethoxyethane 乙二醇二醚	629-14-1	211-076-1	Solvent for nitrocellulose, rubber, resin and organic synthetic medium. 用作硝化纖維素、橡膠、樹脂等的溶劑及有機合成介質。
100	N,N-dimethylformamide; dimethyl formamide N,N-二甲基甲醯胺	68-12-2	200-679-5	As the production of substances, polymers (including plastics, artificial leather, coatings and resins) of the solvent; for the Organic Chemical Industry and laboratory the substance synthesis of intermediates; in the pharmaceutical industry for the purification or crystallization solvent; textile and plastic industrial, laboratory, and as a cleaning solvent; used in paints, adhesives, coatings, pesticides and pharmaceutical composition; and for acetylene bottles. 做為生產物質、聚合物 (包括塑膠、人工皮革、鍍層及樹脂) 的溶劑；用於有機化學工業及實驗室中，物質合成之中間體；製藥工業中用以純化或結晶之溶劑；紡織及塑膠工業、實驗室中，當作清潔之溶劑；用於油漆、黏著劑、鍍層、農藥及藥品之組成；用於乙炔瓶。
101	Dibutyltin dichloride (DBT) 二丁基錫	683-18-1	211-670-0	Rubber additives; production Dibutyltin intermediates; PVC plastic stabilizer; production of polyurethane and silicone catalyst; insulation layer and coating. Often applied to food packaging materials, T-shirt, polyurethane gloves, sanitary napkins, medical equipment, cellophane wrappers, soft toys, PVC plastic (water pipes, packaging materials, textiles), silicone rubber (bees agents, dental products, paper coating) polyurethane (foam plastics, adhesives), glass (coating), the absolute raw materials in electronic products and power cord, poultry pesticides, transparent plastic. 橡膠添加劑；製作其他二丁基錫化合物之中間體；PVC 塑膠穩定劑；生產聚氨酯及矽膠之催化劑；用於絕緣層及鍍層。常應用之產品為食品包材、T 恤、聚氨酯手套、衛生棉、醫療器材、玻璃紙包裝、軟性玩具、PVC 塑膠(水管、包材、紡織品)、矽橡膠(蜜蜂劑、牙科產品、紙張鍍層)、聚氨酯(發泡塑膠、黏著劑)、玻璃(鍍層)、電子產品及電源線之絕原材、家禽之除蟲劑、透明塑膠等。
102	Acetic acid, lead salt, basic 鹼式乙酸鉛	51404-69-4	257-175-3	Laboratory reagents, commonly used the decolorizing agent prior to the analysis in the sugar polarizing, can also be used in the organic solution of clarification and decolorization; intermediates. 實驗室試劑，常用於糖的偏光分析前之脫色劑，亦可用於有機溶液之澄清及脫色；中間體。
103	Basic lead carbonate (trilead bis (carbonate) dihydroxide) 鹼式碳酸鉛	1319-46-6	215-290-6	Used in paints, coatings, printing inks, cosmetics, also used as a PVC stabilizer. 應用於油漆、塗料、印刷油墨、化妝品，亦可用作 PVC 之穩定劑。
104	Lead oxide sulfate (basic lead sulfate) 鹼式硫酸鉛	12036-76-9	234-853-7	Paste of active material in lead-acid batteries, plastic products. 鉛酸電池內之活性材料糊料、塑膠產品。
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate) 二鹽基鄰苯二甲酸鉛	69011-06-9	273-688-5	PVC processing thermal stabilizers, are often applied to polymer products, plastic products, etc. made u p. PVC 加工製成之熱穩定劑，常應用之產品為聚合物、塑膠產品等。
106	Dioxobis(stearato)trilead 雙(十八酸基)二氧代三鉛	12578-12-0	235-702-8	Lubricants; stabilizers; desiccant. 潤滑劑；穩定劑；乾燥劑。
107	Fatty acids, C16-18, lead salts C16-18-脂肪酸鉛鹽	91031-62-8	292-966-7	For the manufacture of the polymer and the stabilizer. 用以製造聚合物及穩定劑。
108	Lead bis(tetrafluoroborate) 氟硼酸鉛	13814-96-5	237-486-0	Used for electroplating, epoxy hardening agent, the linear polyester catalyst. 用於電鍍，環氧樹脂之硬化劑，直鏈聚酯之催化劑。

109	Lead cyanamidate 氨基氰鉛鹽	20837-86-9	244-073-9	The rust paint dyes; intermediates. 油漆中的防鏽染料；中間體。
110	Lead dinitrate 硝酸鉛	10099-74-8	233-245-9	Used for glass, paper and enamel the milk yellow pigment raw materials for the pharmaceutical industry astringent manufacturing, printing and dyeing industry, mordant, photo graced agent, ore flotation agent, another oxidizing agent used in the manufacture of matches, fireworks, explosives and tanning. 用作玻璃、紙張和搪瓷用的奶黃色素原料，用於醫藥工業之收斂劑製造，印染工業之媒染劑，相片增光劑，礦石浮選劑，另用於製造火柴、煙火、炸藥的氧化劑及鞣革。
※111	Lead oxide (lead monoxide) 氧化鉛	1317-36-8	215-267-0	Lead glass can be used in the manufacture of glass, enamel, glaze, stabilizers, and other lead compounds, used in pigments, paints, rubber, PVC plastic, optical glass, ceramic enamel, anti-X-ray imaging Hall, cathode ray tubes, battery plate manufacturing, metallurgical flux. 可用於製造玻璃、琺瑯、釉藥、穩定劑、以及其他鉛化合物，應用於顏料、油漆、橡膠、PVC 塑膠、光學玻璃、陶瓷瓷釉、防 X 射線的鉛玻璃、顯像管、陰極射線管、蓄電池極板製造、冶金助熔劑等。
112	Lead tetroxide (orange lead) 四氧化三鉛	1314-41-6	215-235-6	Rubber coloring applied antirust paint, optical glass, general glass, pottery glaze, enamel, piezoelectric element, dyes, batteries, pharmaceuticals, synthetic resin. 應用於防鏽漆、光學玻璃、一般玻璃、陶釉、搪瓷、壓電元件、染料橡膠著色、蓄電池、醫藥、合成樹脂。
113	Lead titanium trioxide 鈦酸鉛	12060-00-3	235-038-9	Dielectric material, widely used in ceramic capacitors, PTC thermistor, varistors, the performance of the converter to improve the collar pre. 介電材料，廣泛應用於陶瓷電容器，PTC 熱敏電阻，壓敏電阻，轉換器的性能改善預預。
114	Lead Titanium Zirconium Oxide 鈦酸鉛鋅	12626-81-2	235-727-4	Used in the manufacture of computer, electronic, optical, electrical equipment, as well as some machinery and equipment or parts. Can also be used in the production of other chemicals. 用於製造電腦、電子、光學、電機設備，以及某些機械設備或零件。亦可用於生產其他化學品。
115	Pentalead tetraoxide sulphate 氧化鉛與硫酸鉛的複合物	12065-90-6	235-067-7	The paste of active material in lead-acid batteries. 鉛酸電池內之活性材料糊料。
116	Pyrochlore, antimony lead yellow 顏料黃 41	8012-00-8	232-382-1	Dye. 染料。
117	Silicic acid, barium salt, lead-doped 摻雜鉛的矽酸鋇	68784-75-8	272-271-5	Used in the production of coatings, paints, thinners and paint agent. 用來生產塗料、油漆、稀釋劑及去漆劑。
118	Silicic acid, lead salt 矽酸鉛	11120-22-2	11120-22-2	Mainly used in the manufacture of optical glass, optical fiber, household utensils, low melting point solder, X-ray absorber and glass enamel industrial applications. 主要用于製造光學玻璃、光導纖維、日用器皿、低熔點焊接、X 光線吸收劑及玻璃搪瓷工業之應用等。
119	Sulfurous acid, lead salt, dibasic 亞硫酸鉛 (II)	62229-08-7	263-467-1	Used in plastics, such as: wire and cable, external structures, pipes, mini blinds. 用於塑膠中，如：電線電纜、外部結構、水管、迷你百葉窗。
120	Tetraethyllead 四乙基鉛	78-00-2	201-075-4	Tetraethyl lead once widely used as additives in gasoline to enhance the octane number of the fuel within the engine to prevent the occurrence of Blast, and thus be able to use a higher compression ratio, so as to improve efficiency of automobile engines and power. 四乙基鉛一度廣泛使用作為添加劑在汽油，以提高燃料的辛烷值，以防止發動機內發生震爆，從而能夠使用更高的壓縮比率，藉以提高汽車發動機效率和功率。
121	Tetralead trioxide sulphate 三鹵式硫酸鉛	12202-17-4	235-380-9	Used as stabilizers, pigments, and analytical reagent PVC plastic opaque or translucent products (such as hard PVC cable pipe, plastic sandals, slippers, yarn, pipe, etc.). 用作 PVC 塑膠不透明或半透明製品 (如 PVC 電纜硬管、塑膠涼鞋、拖鞋、紗管等) 之穩定劑，顏料，及分析試劑等。
122	Trilead dioxide phosphonate 磷酸氧化鉛	12141-20-7	235-252-2	The opaque PVC stabilizer, often used in outdoor wire and cable, construction sheet (corrugated board), Hall and other materials. 不透明 PVC 之穩定劑，常應用於戶外電線電纜、建築用之板材 (如瓦楞板)、館材等。
123	Furan 呋喃	110-00-9	203-727-3	Synthetic organic materials, and a solvent. 有機合成原料和溶劑。
124	Propylene oxide; 1,2-epoxypropane; methyloxirane 環氧丙烷	75-56-9	200-879-2	For manufacturing a non-ionic surface active agents, wetting agents, emulsifiers, detergents; also manufacturing propanediol; propanediol; isopropanolamine; propionaldehyde; synthetic glycerin; acid; synthetic resin; plastic foam; plasticized agent; emulsifier; wetting agent; detergent; fungicides. For manufacturing a non-ionic surface active agents, wetting agents, emulsifiers, detergents; also manufacturing propanediol; propanediol; isopropanolamine; propionaldehyde; synthetic glycerin; acid; synthetic resin; plastic foam; plasticized agent; emulsifier; wetting agent; detergent; fungicides. 用於製造非離子表面活性劑、潤濕劑、乳化劑、洗滌劑；亦可製造丙二醇；丙二醇；異丙醇胺；丙醛；合成甘油；有機酸；合成樹脂；發泡塑膠；增塑劑；乳化劑；濕潤劑；洗滌劑；殺菌劑等。
125	Diethyl sulphate 硫酸二乙酯	64-67-5	200-589-6	Widely used in dyes, pharmaceuticals, perfumes, pesticides; ethyl reagent can also be used, ethylene sulfonated accelerator. 廣泛應用於染料、醫藥、香料、農藥；亦可用做乙基化試劑、乙稀磺化促進劑。
126	Dimethyl sulphate 硫酸二甲酯	77-78-1	201-058-1	Methylating agents such as pesticides, dyes, pharmaceuticals, perfumery industry wide application in organic synthesis. 農藥、染料、醫藥、香料工業等有機合成中廣泛應用的甲基化劑。
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 3-乙基-2-甲基-2-(3-甲基丁基)噁唑烷	143860-04-2	421-150-7	At the high solids content of the polyurethane coating, as a reactive diluent and go agent. 於高固體含量的聚氨酯塗料，做為反應性稀釋劑和去水劑。
128	Dinoseb 地樂酚	88-85-7	201-861-7	Pesticides. 農藥。
129	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	Commonly used in the insulating material, a polyurethane adhesive, an epoxy resin hardening agent. 常用於絕緣材料、聚氨酯粘劑、環氧樹脂硬化劑。
130	4,4'-oxydianiline and its salts 4,4'-二氨基二苯醚	101-80-4	202-977-0	Polymer monomer, dye intermediates, synthetic resin 聚合物單體、染料中間體、樹脂合成。
131	4-Aminoazobenzene; 4-Phenylazoaniline 4-胺基偶氮苯	60-09-3	200-453-6	Dye intermediates, also used in paints, pigments. 染料中間體，亦用於油漆、顏料。
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine) 2,4-二氨基甲苯	95-80-7	202-453-1	Organic synthesis, dyes, pharmaceutical intermediates. 有機合成、染料、醫藥之中間體。
133	6-methoxy-m-toluidine (p-cresidine) 2-甲氧基-5-甲基苯胺	120-71-8	204-419-1	Dye. 染料。
134	Biphenyl-4-ylamine 4-氨基聯苯	92-67-1	202-177-1	Production of dye and pesticide intermediates, can also be used in the manufacture of blinking agent - terphenyls. 製作染料及農藥之中間體，亦可用於製造閃爍劑-對三聯苯。

	135	o-aminoazotoluene 鄰氨基偶氮甲苯	97-56-3	202-591-2	Dyes, pharmaceuticals, resins intermediates. 染料、醫藥、樹脂之中間體。
	136	o-Toluidine; 2-Aminotoluene 鄰甲基苯胺	95-53-4	202-429-0	The manufacture of dyes, pesticides, pharmaceuticals, organic synthesis, analytical reagent and dye intermediates. 製造染料、農藥、醫藥、有機合成、分析試劑及染料之中間體。
	137	N-methylacetamide N-甲基乙酰胺	79-16-3	201-182-6	Organic synthesis intermediates of pesticides, pharmaceuticals, etc., can also be used as the solvent. 農藥、醫藥等有機合成的中間體，亦可作為溶劑。
	138	1-bromopropane; n-propyl bromide 溴代正丙烷	106-94-5	203-445-0	Used in organic synthesis, pharmaceutical industry, pesticides, dyes, spices. 應用於有機合成，製藥工業，農藥，染料，香料等。
R E A C H 第 九 批 2 0 1 3 · 0 6 · 2 0	139	Cadmium 鎘	7440-43-9	231-152-8	Applied Nickel - cadmium batteries, metal and electronic parts of the plating materials, various alloys improved materials, coatings. 應用於鎘-鎘電池、金屬與電子零件的電鍍材料、各種合金改良材料、塗料。
	140	Cadmium oxide 氧化鎘	1306-19-0	215-146-2	Applied Nickel - cadmium batteries, metal and electronic parts of the plating materials, various alloys improved materials, coatings, plastics coatings, glass / ceramic materials, plastics polymerization heat stabilizer. 應用於鎘-鎘電池、金屬與電子零件的電鍍材料、各種合金改良材料、塗料、塑膠塗層、玻璃/陶瓷原料、塑膠聚合熱安定劑。
	141	Ammoniumpentadecafluorooctanoate (APFO) 全氟辛酸銨	3825-26-1	223-320-4	Ammonium salt of PFOA, for the production of dispersion-type PTFE resin / fluorine rubber, a dispersing agent, a surfactant and efficient. PFOA的銨鹽、用於生產分散型聚四氟乙烯樹脂/氟橡膠等的分散劑、高效表面活性劑。
	142	Pentadecafluorooctanoic acid (PFOA) 全氟辛酸	335-67-1	206-397-9	Paper / leather / textile surface treatment agent, fire fighting foam, wire insulation, engine protection agents, no adhesions coatings. 紙張/皮革/紡織等的表面處理劑、消防泡沫、電線絕緣、引擎保護劑、不粘塗料。
	143	Dipentyl phthalate (DPP) 鄰苯二甲酸二戊酯	131-18-0	205-017-9	PVC plasticizers. PVC可塑劑。
	144	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] 支鏈及直鏈乙氧基壬基酚-包括含有9個碳烷基鏈及所有含有含直鏈或支鏈之9個碳烷基鏈 UVCB 物質、聚合物及同系物，包括獨立同分異構物及複合物辛基酚聚醚-9，包括界定明確的物質以及 UVCB 物質、聚合物和同系物。	---	---	Coating formulations, industrial coatings, emulsion polymerization additives, detergents. 塗料配方、工業塗料、乳化聚合添加物、清潔劑。
R E A C H 第 十 批 2 0 1 3 · 1 2 · 1 6	145	Cadmium sulphide 硫化鎘	215-147-8	1306-23-6	Pigments, additives, catalysts 顏料, 添加劑, 催化劑
	146	Dihexyl phthalate 鄰苯二甲酸二己酯	201-559-5	84-75-3	Plasticizing agent 塑化劑
	147	Disodium 3,3'-[[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate)(C.I. Direct Red 28) 直接紅 28	209-358-4	573-58-0	Dye, pH indicator 染料, pH 指示劑
	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) 直接黑 38	217-710-3	1937-37-7	Dye 染料
	149	Imidazolidine-2-thione; 2-imidazoline-2-thiol 亞乙基硫脲	202-506-9	96-45-7	Accelerating reagent manufactured synthetic elastomer and synthetic rubber 製合成彈性體及合成橡膠之加速反應劑
	150	Lead di (acetate) 醋酸鉛	206-104-4	301-04-2	Coatings, paint, paint remover, mold filling and soil 塗層、塗料、脫漆劑、填充物及塑模土
	151	Trixylyl phosphate 磷酸三(二甲苯)酯	246-677-8	25155-23-1	Functional processing solution, flame retardant plastics 功能性加工液、塑膠中的阻燃劑

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