



# CERTIFICATE OF COMPLIANCE – REACH Compliance Declaration

**Phihong Technology Co., Ltd.**

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Phihong products [refer to model list as below] will contain the substance of Lead of SVHC in normal or reasonable and foreseeable conditions of usage.

However, the Lead (CAS No. 7439-92-1, SVHC-19th) will be used in copper alloy metal and High temperature solder of plug pin, copper alloy wire, and diode products and that can comply with RoHS exemption (2011/65/EU)

6c. Lead as a copper alloy containing up to 4% lead by weight.

7a. Lead in high melting temperature type solders.

7c-I. Electrical and electronic components containing lead in glass or ceramic parts.

Boron oxide (CAS No. 1303-86-2, SVHC-7th) will be used in the internal part process (glass deformer) with a capacitor electrode, the final part does not contain this substance.

The Methyl-4'-(methylthio)-2-morpholinopropiophenone (CAS No. 71868-10-5) will be used in the ink or Solder mask (Type: H-910) on the PCB or CAP, this substance concentration less than 0.1% in the printed.

Due to "Notification" of SVHC to ECHA, it's required the following conditions are met:

(a) The substance is present in those components which total quantity is over 1 ton per producer or importer per year, and;

(b) The substance is present in those components with a concentration of 0.1% or above the article by weight.

According to REACH requirement, we declare:

This product meet EU REACH Annex XVII. Regarding to EU REACH SVHC which the substance of Lead (CAS No. 7439-92-1, SVHC-19th) will be over 0.1% (SVHC/ component), w/w) and will be used in plug pin, copper alloy wire, and diodes by each component in products.

Deputy Director

Date: 2023/3/28

Model list as below:

AA03A-050A-R	AA03A-050A(M)-R	AA03A-075A-R	AA03A-090A-R
AA03A-120A-R	AA03C-050A-R	AA03C-050A(M)-R	AA03C-075A-R
AA03C-090A-R	AA03C-120A-R	AA03E-050A-R	AA03E-050A(M)-R
AA03E-075A-R	AA03E-090A-R	AA03E-120A-R	AA03K-050A-R
AA03K-050A(M)-R	AA03K-075A-R	AA03K-090A-R	AA03K-120A-R
AA03S-050A-R	AA03S-050A(M)-R	AA03S-075A-R	AA03S-090A-R
AA03S-120A-R	AA10A-050A-R	AA10A-050A(M)-R	AA10E-050A-R
AA10E-050A(M)-R	AA10K-050A-R	AA10K-050A(M)-R	AA10S-050A-R
AA10S-050A(M)-R	AA20R-120A-R	AA20R-240A-R	AA20R-480A-R
AA60M-59FKA-R	AA60W-59FKA-R	AA65M-59FKA-R	AA65M-120A-R
AA65M-180A-R	AA65M-190A-R	AA65M-240A-R	AA65M-480A-R
AA65M-540A-R	AA65U-120A-R	AA65U-180A-R	AA65U-190A-R
AA65U-240A-R	AA65U-480A-R	AA65U-540A-R	AA65W-59FKA-R
AA65W-120A-R	AA65W-180A-R	AA65W-190A-R	AA65W-240A-R
AA65W-480A-R	AA65W-540A-R	AA150M-190B-R	AA150M-240B-R
AA150M-480B-R	AA150M-540B-R	AC15WEU-R	AC15WNA-R
AC15WUK-R	AC30MNA-R	AC30UEU-R	AC30UNA-R
AC30UUK-R	ACCY125X-R	AN18V-59CFAA-H	AQ03A-050A-R
AQ03A-050AW-R	AQ03C-050A-R	AQ03C-050AW-R	AQ03E-050A-R
AQ03E-050AW-R	AQ03K-050A-R	AQ03K-050AW-R	AQ03S-050A-R
AQ03S-050AW-R	AQ10A-050B-H	AQ10A-050BP-H	AQ10A-050BW-H
AQ10E-050B-H	AQ10E-050BP-H	AQ10E-050BW-H	AQ10K-050B-H
AQ10K-050BW-H	AQ10S-050B-H	AQ10S-050BW-H	AQ15A-050A-H
AQ15A-050AW-H	AQ15E-050A-H	AQ15E-050AW-H	AQ18A-59A-H
AQ18A-59CFA-H	AQ18E-59A-H	AQ18E-59CFA-H	AQ18K-59A-H
AQ18K-59CFA-H	AQ27A-59A-H	AQ27A-59CFA-H	AQ27E-59A-H
AQ27E-59CFA-H	AQ27K-59A-H	AQ27K-59CFA-H	AQ36E-5CA-H
AQ36E-5CFA-H	BI150-240A-R	BI240-240A-R	FPB-H
FPBAG1-H	FPE-H	FPH-H	FPI-H
FPK-H	FPN-H	FPS-H	IP-USB1(C10)S-RW
IP-USB1(C10)SW-RW	IPUSB1CS-RW	IPUSB1M5LD-RW	IPUSB1MS-RW
IPUSB1MSW-RW	IPUSB1P5-RW	IPUSB1P5W-RW	MQ05A-050A-H
MQ05A-050AW-H	MQ05A-050B-H	MQ05A-050BW-H	MQ05E-050B-H
MQ05E-050BW-H	MQ05K-050B-H	MQ05K-050BW-H	MQ05S-050B-H
MQ05S-050BW-H	MQ10A-050B-H	MQ10A-050BW-H	MQ10E-050B-H
MQ10E-050BW-H	MQ10K-050B-H	MQ10K-050BW-H	MQ10S-050B-H
MQ10S-050BW-H	PMA09R-060A-R	PMA09R-090A-R	PMA10R-050A-R
PMA10R-050AW-R	PMA18A-120PH-R	PMA18A-120PHW-R	PMA18A-240-R
PMA18E-120PHW-R	PMA18E-240-R	PMA18K-120PHW-R	PMA18K-240-R
PMA18S-120PHW-R	PML065-120	PML065-150	PML065-180
PML065-190	PML065-240	PML065-480	POE14-050-R
POE15M-560-R	POE15M-560E-R	POE15M-1AF-R	POE15M-1AFE-R

POE15W-560-R	POE16R-560L6-R	POE16R-1AF-R	POE16R-1AFG-R
POE16R-1AFG6-R	POE16R-1AFG6-2-R	POE20D-1AF-R	POE21-120-R
POE21-240-R	POE29U-1AT(PL)D-R	POE30D-1ATP-R	POE30R-1ATP-R
POE36D-1AT-R	POE370U-480-8-R	POE370U-480-8-N-R	POE370U-480-16-R
POE370U-480-16-N-R	POE370U-480-24-R	POE370U-480-24-N-R	POE45-120-R
POE60S-1BT-R	POE60U-560-R	POE60U-560E-R	POE60U-560-2-R
POE60U-560-5-R	POE60U-560-X-R	POE60U-1BTE-R	POE60U-1BT-2-R
POE60U-1BT-5-R	POE60U-1BT-X-R	POE90D-1BTP-R	POE90D-560SS-R
POE90U-560-R	POE90U-560-2-R	POE90U-560-5-R	POE90U-560-X-R
POE90U-1BT6-R	POE90U-1BT-2-R	POE90U-1BT-5-R	POE90U-1BT-X-R
POE90U-1BT-N6-R	POEA30U-560-R	POEA30U-560E-R	POEA30U-560-2-R
POEA30U-560-5-R	POEA30U-560-X-R	POEA30U-1AT-R	POEA30U-1ATE-R
POEA30U-1AT-2-R	POEA30U-1AT-5-R	POEA30U-1AT-X-R	POEA33U-1ATE-R
POEO30U-1AT-R	POEO30U-1AT-X-R	POEO75U-1BT-R	POEO75U-BT-X-R
PPL18A-120	PPL18A-120L6	PPL18M-050	PPL18M-050L6
PPL18M-060	PPL18M-060L6	PPL18M-070	PPL18M-075
PPL18M-090	PPL18M-100	PPL18M-100L6	PPL18M-110
PPL18M-110L6	PPL18M-120	PPL18M-150	PPL18M-160
PPL18M-180	PPL18M-240	PPL18U-050	PPL18U-050L6
PPL18U-060	PPL18U-060L6	PPL18U-070	PPL18U-075
PPL18U-090	PPL18U-100	PPL18U-100L6	PPL18U-110
PPL18U-110L6	PPL18U-120	PPL18U-150	PPL18U-160
PPL18U-180	PPL18U-240	PPL18W-050	PPL18W-050L6
PPL18W-060	PPL18W-060L6	PPL18W-070	PPL18W-075
PPL18W-090	PPL18W-100	PPL18W-100L6	PPL18W-110
PPL18W-110L6	PPL18W-120	PPL18W-150	PPL18W-160
PPL18W-180	PPL18W-240	PPL24A-120	PPL24M-050
PPL24M-059	PPL24M-060	PPL24M-070	PPL24M-075
PPL24M-090	PPL24M-120	PPL24M-150	PPL24M-240
PPL24M-480	PPL24U-050	PPL24U-059	PPL24U-060
PPL24U-070	PPL24U-075	PPL24U-090	PPL24U-120
PPL24U-150	PPL24U-240	PPL24U-480	PPL24W-050
PPL24W-059	PPL24W-060	PPL24W-070	PPL24W-075
PPL24W-090	PPL24W-120	PPL24W-150	PPL24W-240
PPL24W-480	PPL36U-050	PPL36U-075	PPL36U-085
PPL36U-090	PPL36U-120	PPL36U-120L6	PPL36U-135
PPL36U-150	PPL36U-160	PPL36U-180	PPL36U-240
PPL36U-480	PPL36W-050	PPL36W-075	PPL36W-085
PPL36W-090	PPL36W-120	PPL36W-120L6	PPL36W-135
PPL36W-150	PPL36W-160	PPL36W-180	PPL36W-240
PPL36W-480	PPL65M-120	PPL65M-135	PPL65M-150
PPL65M-160	PPL65M-180	PPL65M-190	PPL65M-200
PPL65M-240	PPL65M-300	PPL65M-320	PPL65M-480

PPL65M-560	PPL65U-120	PPL65U-135	PPL65U-150
PPL65U-160	PPL65U-180	PPL65U-190	PPL65U-200
PPL65U-240	PPL65U-300	PPL65U-320	PPL65U-480
PPL65U-560	PPL65W-120	PPL65W-135	PPL65W-150
PPL65W-160	PPL65W-180	PPL65W-190	PPL65W-200
PPL65W-240	PPL65W-300	PPL65W-320	PPL65W-480
PPL65W-560	PPL72M-240L6	PPL72U-240L6	PPL72W-240L6
PPL90M-120	PPL90M-150	PPL90M-160	PPL90M-180
PPL90M-190	PPL90M-200	PPL90M-240	PPL90M-300
PPL90M-480	PPL90M-560	PPL90U-120	PPL90U-150
PPL90U-160	PPL90U-180	PPL90U-190	PPL90U-200
PPL90U-240	PPL90U-300	PPL90U-480	PPL90U-560
PPL160M-120	PPL160M-150	PPL160M-190	PPL160M-240
PPL160M-480	PPL160M-560	PPL160U-120	PPL160U-150
PPL160U-190	PPL160U-240	PPL160U-480	PPL160U-560
PPL200U-120	PPL200U-135	PPL200U-190	PPL200U-240
PPL200U-480	PPL200U-560	PPL250U-120L6	PPL250U-190L6
PPL250U-240L6	PPL250U-480L6	PPL250U-560L6	PPL300U-120
PPL300U-190	PPL300U-240	PPL300U-480	PPL300U-560
PSA05A-050QL6-H	PSA05A-050QL6W-H	PSA05C-050QL6-H	PSA05C-050QL6W-H
PSA05E-050QL6-H	PSA05E-050QL6WS-H	PSA05F-050QAL6-H	PSA05F-050QAL6D-H
PSA05K-050QL6-H	PSA05K-050QL6WS-H	PSA05S-050QL6-H	PSA05S-050QL6WS-H
PSA10F-050-R	PSA10F-050(P)-R	PSA10F-050Q-R	PSA10F-050Q(D)-R
PSA10F-050Q(S)-R	PSA10FC-050-R	PSA10FC-050Q-R	PSA10FS-050Q-R
PSA10FS-050Q(D)-R	PSA15A-120P6-R	PSA15A-150P6-R	PSA15A-240P6-R
PSA15A-480P6-R	PSA15R-120P6-R	PSA15R-150P6-R	PSA15R-240P6-R
PSA15R-480P6-R	PSA120U-120L6-R	PSA120U-240L6-R	PSA120U-480L6-R
PSAA05A-050QL6-R	PSAA05A-050QL6W-R	PSAA05E-050QL6-R	PSAA05E-050QL6W-R
PSAA05K-050QL6-R	PSAA05K-050QL6W-R	PSAA05S-050QL6-R	PSAA05S-050QL6W-R
PSAA10A-050QL6A-H	PSAA12A-120L6-R	PSAA12E-120L6-R	PSAA15W-050L6-R
PSAA15W-180L6-R	PSAA15W-240L6-R	PSAA15W-480L6-R	PSAA18U-120L6-R
PSAA18U-150L6-R	PSAA18U-240L6-R	PSAA18U-480L6-R	PSAA20R-050L6-R
PSAA30R-120-R	PSAA30R-150-R	PSAA30R-240-R	PSAC05A-050L6-R
PSAC05A-050L6B-R	PSAC05A-050L6M-R	PSAC05E-050L6-R	PSAC05E-050L6M-R
PSAC05K-050L6-R	PSAC05K-050L6M-R	PSAC05R-050L6-R	PSAC05R-050L6B-R
PSAC05R-050L6M-R	PSAC12A-050-R	PSAC12A-060-R	PSAC12A-075-R
PSAC12A-090-R	PSAC12A-120-R	PSAC12A-150-R	PSAC12A-240-R
PSAC12A-480-R	PSAC12R-050-R	PSAC12R-060-R	PSAC12R-075-R
PSAC12R-090-R	PSAC12R-120-R	PSAC12R-150-R	PSAC12R-240-R
PSAC12R-480-R	PSAC30U-050L6-R	PSAC30U-090L6-R	PSAC30U-120L6-R
PSAC30U-240L6-R	PSAC30U-480L6-R	PSAF10R-050QA-R	PSAI05R-050QL6-R
PSC15A-050-R	PSC15A-060-R	PSC15A-075-R	PSC15A-090-R
PSC15R-050-R	PSC15R-060-R	PSC15R-075-R	PSC15R-090-R

PSM03A-050Q-3-R	PSM03A-050Q-3W-R	PSM03E-050Q-3-R	PSM03E-050Q-3W-R
PSM03K-050Q-3-R	PSM03K-050Q-3W-R	PSM03S-050Q-3-R	PSM03S-050Q-3W-R
PSM10A-050A-R	PSM10R-050A-R	PSM10R-050A(M)-R	RPA-AB01B-H
RPA-MAB1B-R	RPA-MAB1W-R	RPA-R	RPB-AB01B-H
RPB-MAB1B-R	RPB-MAB1W-R	RPB-R	RPBAG-AB01B-H
RPBAG(NC)-R	RPC-AB01B-H	RPC-R	RPE-AB01B-H
RPE-MAB1B-R	RPE-MAB1W-R	RPE-N-R	RPH-AB01B-H
RPH-MAB1B-R	RPH-MAB1W-R	RPH-R	RPI-AB01B-H
RPI-R	RPK-AB01B-H	RPK-MAB1B-R	RPK-MAB1W-R
RPK(NC)-R	RPN-AB01B-H	RPN-MAB1B-R	RPN-MAB1W-R
RPN-R	RPS-AB01B-H	RPS-MAB1B-R	RPS-MAB1W-R
RPS-N-R	RPX-03-R	UES-1001A160-RW	UES-1003A160-RW
VPA-AA02B-H	VPB-AA02B-H	VPC-AA02B-H	VPE-AA02B-H
VPH-AA02B-H	VPI-AA02B-H	VPK-AA02B-H	VPN-AA02B-H

### REACH SVHC Substance

	No.	Substance name	CAS No.	EC No.	Date of inclusion
SVHC1	1	Triethyl arsenate	15606-95-8	427-700-2	2008/10/28
	2	Anthracene	120-12-7	204-371-1	2008/10/28
	3	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	2008/10/28
	4	Dibutyl phthalate (DBP)	84-74-2	201-557-4	2008/10/28 2014/12/17
	5	Cobalt dichloride	7646-79-9	231-589-4	2008/10/28
	6	Diarsenic pentaoxide	1303-28-2	215-116-9	2008/10/28
	7	Diarsenic trioxide	1327-53-3	215-481-4	2008/10/28
	8	Sodium dichromate	7789-12-0, 10588-01-9		2008/10/28
	9	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	2008/10/28
	10	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	2008/10/28 2014/12/17
	11	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:	25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	247-148-4, 221-695-9	2008/10/28
	12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	2008/10/28
	13	Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	2008/10/28
	14	Lead hydrogen arsenate	7784-40-9	232-064-2	2008/10/28
	15	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	2008/10/28 2014/12/17

	No.	Substance name	CAS No.	EC No.	Date of inclusion
SVHC2	16	Anthracene oil	90640-80-5	292-602-7	2009/12/18
	17	Anthracene oil, anthracene paste, distn. lights *	91995-17-4	295-278-5	2009/12/18
	18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-278-9	2009/12/18
	19	Anthracene oil, anthracene-low	90640-82-7	292-604-8	2009/12/18
	20	Anthracene oil, anthracene paste	90640-81-6	292-603-2	2009/12/18
	21	Coal tar pitch, high temperature	65996-93-2	266-028-2	2009/12/18
	22	2,4-Dinitrotoluene	121-14-2	204-450-0	2009/12/18
	23	Diisobutyl phthalate	84-69-5	201-553-2	2009/12/18
	24	Lead chromate	7758-97-6	231-846-0	2009/12/18
	25	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	2009/12/18
	26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	2009/12/18
	27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	2009/12/18
28	Acrylamide	79-06-1	201-173-7	2009/12/18	

	No.	Substance name	CAS No.	EC No	Date of inclusion
SVHC3	29	Sodium chromate	7775-11-3	231-889-5	2010/08/03
	30	Ammonium dichromate	7789-09-5	232-143-1	2010/08/03
	31	Potassium dichromate	7778-50-9	231-906-6	2010/08/03
	32	Potassium chromate	7789-00-6	232-140-5	2010/08/03
	33	Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	2010/08/03
	34	Disodium tetraborate, anhydrous	1330-43-4 1303-96-4 12179-04-3	215-540-4	2010/08/03
	35	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	2010/08/03
	36	Trichloroethylene	79-01-6	201-167-4	2010/08/03

	No.	Substance name	CAS No.	EC No.	Date of inclusion
SVHC4	37	Cobalt(II) sulphate	10124-43-3	233-334-2	2010/12/15
	38	Cobalt(II) dinitrate	10141-05-6	233-402-1	2010/12/15

	39	Cobalt(II) carbonate	513-79-1	208-169-4	2010/12/15
	40	Cobalt(II) diacetate	71-48-7	200-755-8	2010/12/15
	41	2-Methoxyethanol	109-86-4	203-713-7	2010/12/15
	42	2-Ethoxyethanol	110-80-5	203-804-1	2010/12/15
	43	Chromium trioxide	1333-82-0	215-607-8	2010/12/15
	44	Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2	-	12.15.2010

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC5</b>	45	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1	2011/06/20
	46	1,2,3-trichloropropane	96-18-4	202-486-1	2011/06/20
	47	1-methyl-2-pyrrolidone	872-50-4	212-828-1	2011/06/20
	48	Hydrazine	7803-57-8 302-01-2	206-114-9	2011/06/20
	49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	276-158-1	2011/06/20
	50	Strontium chromate	7789-06-2	232-142-6	2011/06/20
	51	2-ethoxyethyl acetate	111-15-9	203-839-2	2011/06/20

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC6</b>	52	Dichromium tris(chromate)	24613-89-6	246-356-2	2011/11/19
	53	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9	234-329-8	2011/11/19
	54	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	2011/11/19
	55	Aluminosilicate Refractory Ceramic Fibres (RCF)	-		2011/11/19
	56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-		2011/11/19
	57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	2011/11/19
	58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	2011/11/19
	59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	2011/11/19
	60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	2011/11/19

61	1,2-Dichloroethane	107-06-2	203-458-1	2011/11/19
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	2011/11/19
63	Arsenic acid	7778-39-4	231-901-9	2011/11/19
64	Calcium arsenate	7778-44-1	231-904-5	2011/11/19
65	Trilead diarsenate	3687-31-8	22-979-5	2011/11/19
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	2011/11/19
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	2011/11/19
68	Lead azide Lead diazide	13424-46-9	236-542-1	2011/11/19
69	Lead styphnate	15245-44-0	239-290-0	2011/11/19
70	Lead dipicrate	6477-64-1	229-335-2	2011/11/19
71	Phenolphthalein	77-09-8	201-004-7	2011/11/19

	No.	Substance name	CAS No.	EC No.	Date of inclusion
SVHC7	72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	2012/06/22
	73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	2012/06/22
	74	Diboron trioxide	1303-86-2	215-125-8	2012/06/22
	75	Formamide	75-12-7	200-842-0	2012/06/22
	76	Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	2012/06/22
	77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC)	2451-62-9	219-514-3	2012/06/22
	78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)	59653-74-6	423-400-0	2012/06/22
	79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	2012/06/22
	80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	2012/06/22
	81	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	219-943-6	2012/06/22
	82	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	208-953-6	2012/06/22
83	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	209-218-2	2012/06/22	



84	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	229-851-8	2012/06/22
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No.	Substance name	CAS No.	EC No.	Date of inclusion
85	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	2012/12/13
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	2012/12/13
87	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	2012/12/13
88	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	2012/12/13
89	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	85-42-7, 13149-00-3, 14166-21-3	201-604-9 236-086-3 238-009-9	2012/12/13
90	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	2012/12/13
91	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	2012/12/13
92	Lead dinitrate	10099-74-8	233-245-9	2012/12/13
93	Silicic acid, lead salt	11120-22-2	234-363-3	2012/12/13
94	4-Aminoazobenzene	60-09-3	200-453-6	2012/12/13
95	Lead titanium zirconium oxide	12626-81-2	235-727-4	2012/12/13
96	Lead monoxide (lead oxide)	1317-36-8	215-267-0	2012/12/13
97	o-Toluidine	95-53-4	202-429-0	2012/12/13
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	2012/12/13
99	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped[with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	68784-75-8	272-271-5	2012/12/13
100	Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6	2012/12/13
101	Furan	110-00-9	203-727-3	2012/12/13

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102	N,N-dimethylformamide	68-12-2	200-679-5	2012/12/13
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-		2012/12/13
104	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]	-		2012/12/13
105	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	2012/12/13
106	Diethyl sulphate	64-67-5	200-589-6	2012/12/13
107	Dimethyl sulphate	77-78-1	201-058-1	2012/12/13
108	Lead oxide sulfate	12036-76-9	234-853-7	2012/12/13
109	Lead titanium trioxide	12060-00-3	235-038-9	2012/12/13
110	Acetic acid, lead salt, basic	51404-69-4	257-175-3	2012/12/13
111	[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	2012/12/13
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	2012/12/13
113	N-methylacetamide	79-16-3	201-182-6	2012/12/13
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	2012/12/13
115	1,2-Diethoxyethane	629-14-1	211-076-1	2012/12/13
116	Tetralead trioxide sulphate	12202-17-4	235-380-9	2012/12/13
117	N-pentyl-isopentylphthalate	776297-69-9	-	2012/12/13
118	Dioxobis(stearato)trilead	12578-12-0	235-702-8	2012/12/13
119	Tetraethyllead	78-00-2	201-075-4	2012/12/13
120	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	2012/12/13
121	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	2012/12/13
122	Tricosafuorododecanoic acid	307-55-1	206-203-2	2012/12/13
123	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	2012/12/13
124	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	2012/12/13
125	Methoxyacetic acid	625-45-6	210-894-6	2012/12/13
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	2012/12/13
127	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	2012/12/13
128	Trilead dioxide phosphonate	12141-20-7	235-252-2	2012/12/13
129	o-aminoazotoluene	97-56-3	202-591-2	2012/12/13
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	2012/12/13
131	4,4'-oxydianiline and its salts	101-80-4	202-977-0	2012/12/13
132	Orange lead (lead tetroxide)	1314-41-6	215-235-6	2012/12/13
133	Biphenyl-4-ylamine	92-67-1	202-177-1	2012/12/13
134	Diisopentylphthalate	605-50-5	210-088-4	2012/12/13
135	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	2012/12/13

	136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	2012/12/13
	137	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	2012/12/13
	138	Lead cyanamidate	20837-86-9	20837-86-9	2012/12/13

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC9</b>	139	Cadmium	7440-43-9	231-152-8	2013/06/20
	140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	3825-26-1	2013/06/20
	141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	2013/06/20
	142	Dipentyl phthalate (DPP)	131-18-0	205-017-9	2013/06/20
	143	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]			2013/06/20
	144	Cadmium oxide	1306-19-0	215-146-2	2013/06/20

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC10</b>	145	Cadmium sulphide	1306-23-6	215-147-8	2013/10/17
	146	Dihexyl phthalate	84-75-3	201-559-5	2013/10/17
	147	"Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)"	573-58-0	209-358-4	2013/10/17
	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)	1937-37-7	217-710-3	2013/10/17
	149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	202-506-9	2013/10/17
	150	Lead di (acetate)	301-04-2	206-104-4	2013/10/17
	151	Trixylyl phosphate	25155-23-1	246-677-8	2013/10/17

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC11</b>	152	Cadmium chloride	10108-64-2	233-296-7	2014/6/16
	153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	2014/6/16

	154	Sodium peroxometaborate	7632-04-4	231-556-4	2014/6/16
	155	Sodium perborate; perboric acid, sodium salt	15120-21-5	239-172-9; 234-390-0	2014/6/16

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC12</b>	156	Cadmium fluoride	7790-79-6	232-222-0	2014/12/17
	157	Cadmium sulphate	10124-36-4 31119-53-6	233-331-6	2014/12/17
	158	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	2014/12/17
	159	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	2014/12/17
	160	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)	-	-	2014/12/17
	161	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	2014/12/17

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC13</b>	162	3% 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate	68515-51-5	271-094-0	2016/6/15
			68648-93-1	272-013-1	
	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] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	-	2016/6/15

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC14</b>	164	1,3-propanesultone	1120-71-4	214-317-9	2015/12/17
	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	2015/12/17

	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	2015/12/17
	167	Nitrobenzene	98-95-3	202-716-0	2015/12/17
	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	2015/12/17

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC15</b>	169	Benzo[def]chrysene	50-32-8	200-028-5	2016/6/20

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC16</b>	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	2016/12/19
	171	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]			2016/12/19
	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	- 206-400-3 221-470-5	2016/12/19
	173	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	2016/12/19

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC17</b>	174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	355-46-4	206-587-1	2017/07/07

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC 18</b>	175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	13560-89-9; 135821-74-8; 135821-03-3	-	2017/01/15
	176	Benz[a]anthracene	56-55-3	200-280-6	2017/01/15

177	Cadmium nitrate	10325-94-7	233-710-6	2017/01/15
178	Cadmium carbonate	513-78-0	208-168-9	2017/01/15
179	Cadmium hydroxide	21041-95-2	244-168-5	2017/01/15
180	Chrysene	218-01-9	205-923-4	2017/01/15
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	-	2017/01/15

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC 19</b>	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)	552-30-7	209-008-0	2018/06/27
	183	Benzo[ghi]perylene	191-24-2	205-883-8	2018/06/27
	184	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	2018/06/27
	185	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	2018/06/27
	186	Disodium octaborate	12008-41-2	234-541-0	2018/06/27
	187	decamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	2018/06/27
	188	Ethylenediamine (EDA)	107-15-3	203-468-6	2018/06/27
	189	Lead	7439-92-1	231-100-4	2018/06/27
	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	2018/06/27
	191	Terphenyl, hydrogenated	61788-32-7	262-967-7	2018/06/27

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC 20</b>	192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	2019/01/15
	193	Benzo[k]fluoranthene	207-08-9	205-916-6	2019/01/15

	194	Fluoranthene	206-44-0 93951-69-0	205-912-4	2019/01/15
	195	Phenanthrene	85-01-8	201-581-5	2019/01/15
	196	Pyrene	129-00-0 1718-52-1	204-927-3	2019/01/15
	197	1,7,7-trimethyl-3-(phenylmethylene)-bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9	2019/01/15

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC 20</b>	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides	-	-	2019/07/16
	199	2-methoxyethyl acetate	110-49-6	203-772-9	2019/07/16
	200	4-tert-butylphenol	98-54-4	202-679-0	2019/07/16
	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	2019/07/16

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC 21</b>	202	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	119313-12-1	404-360-3	2020/01/16
	203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	71868-10-5	400-600-6	2020/01/16
	204	Diisohexyl phthalate	71850-09-4	276-090-2	2020/01/16
	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	2020/01/16

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC 22</b>	202	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	119313-12-1	404-360-3	2020/01/16
	203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	71868-10-5	400-600-6	2020/01/16

	204	Diisohexyl phthalate	71850-09-4	276-090-2	2020/01/16
	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	2020/01/16

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC 23</b>	206	1-vinylimidazole	1072-63-5	214-012-0	2020/06/17
	207	2-methylimidazole	693-98-1	211-765-7	2020/06/17
	208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	2020/06/17
	209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	2020/06/17

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC 24</b>	210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	2021/01/20
	211	Diocyltin 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	3648-18-8 and others	222-883-3	2021/01/20

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC 25</b>	212	1,4-dioxane	123-91-1	204-661-8	08/07/2021
	213	2,2-bis(bromomethyl)propane 1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)		221-967-7 253-057-0 202-480-9	08/07/2021
	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers 2-(4-tert-butylbenzyl)propionaldehyde (2S)-3-(4-tert-butylphenyl)-2-methylpropanal (2R)-3-(4-tert-butylphenyl)-2-methylpropanal	80-54-6 75166-30-2 75166-31-3	201-289-8	08/07/2021



	nal			
215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	201-025-1	08/07/2021
216	Glutaral	111-30-8	203-856-5	08/07/2021
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 C14 to C17] Alkanes, C14-17, chloro Tetradecane, chloro derivs. Alkanes, C14-16, chloro di-, tri- and tetrachlorotetradecane	85535-85-9 198840-65-2 1372804-76-6	287-477-0 - - 950-299-5	08/07/2021
218	Orthoboric acid, sodium salt (group) Boric acid, sodium salt Orthoboric acid, sodium salt boric acid (H3BO3), sodium salt,hydrate Boric acid (H3BO3), sodium salt (1:1) Boric acid (H3BO3), disodium salt Trisodium orthoborate	1333-73-9 13840-56-7 25747-83-5 14890-53-0 22454-04-2 14312-40-4	215-604-1 237-560-2 - - - 238-253-6	08/07/2021
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) phenol, (tetrapropenyl) derivatives Phenol, 4-isododecyl Phenol, dodecyl-, branched Phenol, 4-isododecyl Phenol, tetrapropylene phenol, 4-dodecyl-, branched	74499-35-7 27147-75-7 - 27459-10-5 57427-55-1 210555-94-5	- - 310-154-3 - - -	08/07/2021

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC 26</b>	220	tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	17/01/2022
	221	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	17/01/2022
	222	6,6'-di-tert-butyl-2,2'-methylenedi-p-creso l	119-47-1	204-327-1	17/01/2022

223	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) (3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one (1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 852541-21-0	253-242-6	17/01/2022
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	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC27</b>	224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	10-Jun-2022

	No.	Substance name	CAS No.	EC No.	Date of inclusion
<b>SVHC 28</b>	225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	253-692-3	17-Jan-2023
	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	201-236-9	17-Jan-2023
	227	4,4'-sulphonyldiphenol	80-09-1	201-250-5	17-Jan-2023
	228	Barium diboron tetraoxide	13701-59-2	237-222-4	17-Jan-2023
	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	17-Jan-2023
	230	Isobutyl 4-hydroxybenzoate	4247-02-3	224-208-8	17-Jan-2023
	231	Melamine	108-78-1	203-615-4	17-Jan-2023
	232	Perfluoroheptanoic acid and its salts	-	-	17-Jan-2023
	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine		473-390-7	17-Jan-2023

		and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoro propyl)morpholine			
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