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SUSUMU Co.,Ltd RoHS Compliance Information- Jun/01/2014

## Certificate of RoHS Compliance

This is to certify that all components listed below are RoHS compliant and meet the requirements of the current EU RoHS Directive 2011/65/EU, and do not contain the substances listed in the table below in concentrations exceeding the Maximum Concentration Value (MCV).

Series:

**PRG, URG, RG, RR, RGH, RM, RT, YJP, RN, RA, CP, RRS, RL, RP, RPH, PRL, KRL, HPL, TFL, HTC, TBF, TBL, TDP, TBB, FL, PAT, PS, PXV, DS, GL, PCMC, PCMB**

Substance Maximum Concentration Value:

Substance	Proposed MCV
Lead (Pb)	0.1%(1000ppm)
Mercury (Hg)	0.1%(1000ppm)
Cadmium (Cd)	0.01%(100ppm)
Hexavalent Chromium (Cr+6)	0.1%(1000ppm)
Polybrominated Biphenyls (PBB)	0.1%(1000ppm)
Polybrominated Diphenyl Ethers (PBDE)	0.1%(1000ppm)
Hexabromocyclododecane (HBCDD)	There is no intentional use
Bis(2-ethylhexyl)phthalate (DEHP)	There is no intentional use
Dibutyl Phthalate (DBP)	There is no intentional use
Butyl Benzyl Phthalate (BBP)	There is no intentional use

Best Regards,

Minoru Nishida  
QA Manager  
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**SUSUMU CO., LTD. : RoHS Compliance and Lead-free Electronic Components**

Category	Product Series	Product Type (Description)	Plating Materials for Electrodes, etc.	RoHS Compliant (Pb,Hg,Cd,Cr+6, PBB/PBDE)	MSL Level	Reflow Temperatures:	Number of reflows	Lead	Mercury	Cadmium	Hexavalent Chromium	Polybrominated Biphenyls (PBB)	Polybrominated Diphenylethers (PBDE)
Resistors	RR0306	Thin Film Chip Resistors (0201 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RR0510	Thin Film Chip Resistors (0402 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	RR0816	Thin Film Chip Resistors (0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	RR1220	Thin Film Chip Resistors (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	RN73	Thin Film Chip Resistors (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RR1632	Thin Film Chip Resistors (1206 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	RR2632	Thin Film Chip Resistors (1210 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	RG1005	Thin Film Chip Resistors (0402 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RG1608	Thin Film Chip Resistors (0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RG2012	Thin Film Chip Resistors (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RG3216	Thin Film Chip Resistors (1206 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RGH1005	Thin Film Chip Resistors (0402 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RGH1608	Thin Film Chip Resistors (0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RGH2012	Thin Film Chip Resistors (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RM2012	Thin Film Chip Resistor Networks (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RM3216	Thin Film Chip Resistor Networks (1206 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RN1632	Thin Film Chip Resistor Networks (1206 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RA1632	Thin Film Chip Resistor Networks (1206 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RT0603	Thin Film trimmable Chip Resistors (0201 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RT0510	Thin Film trimmable Chip Resistors (0402 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RT0816	Thin Film trimmable Chip Resistors (0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RT1220	Thin Film trimmable Chip Resistors (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RP1005	High Power Type Chip Resistors (0402 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RP1608	High Power Type Chip Resistors (0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RP2012	High Power Type Chip Resistors (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RL3720	Current sensors (0815 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	22	<2	<2	<2	<5	<5
	RL3720W	Current sensors (0815 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	22	<2	<2	<2	<5	<5
	RL7520W	Current sensors (0830 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<1	<5	<1	<2	<25	<25
	PRL1220	Current Sensors (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<27	<5	<1	<2	<25	<25
	PRL1632	Current Sensors (1206 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<27	<5	<1	<2	<25	<25
	PRL3264	Current Sensors (2512 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<27	<5	<1	<2	<25	<25
	RL0603	Current sensors (0201 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<27	<5	<1	<2	<25	<25
	RL0510	Current sensors (0402 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RL0816	Current sensors (0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	YJP1608	0ohm Jumper (Max.0.3mohm, 0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RL1220	Current sensors (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RL1632	Current Sensors (1206 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<35.9	<2	<2	<2	<5	<5
	RL3264	Current Sensors (2512 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<35.9	<2	<2	<2	<5	<5
	KRL1220	Current sensors (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	KRL1632	Current Sensors (1206 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	KRL3264	Current Sensors (2512 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	KRL2012	Current Sensors (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	KRL3216	Current Sensors (1206 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	KRL6432	Current Sensors (2512 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	KRL7638	Current Sensors (3015 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	KRL9045	Current Sensors (3518 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	KRL11050	Current Sensors (4320 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	RL16324L	Current Sensors (1206 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<35.9	<2	<2	<2	<5	<5
	RL2550L	Current Sensors (2010 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<35.9	<2	<2	<2	<5	<5
	RL32644L	Current Sensors (2512 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<35.9	<2	<2	<2	<5	<5



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Coils	PCMC063T	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	PCMM063T	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	PCMC103T	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	PCMB103T	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	PCMC104T	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	PCMC133E	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	PCMC135T	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	PCMB104T	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	PW021T	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	PW25201BT	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	PS0311B	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	PS031T	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<50	<2	<2	<2	<5	<5
	PS041B	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<50	<2	<2	<2	<5	<5
PCMC042T	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5	
PCMC053T	Power Choke Coils	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5	
Inductors	HPL0603	Thin Film Chip Inductors (0201 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	HPL1005	Thin Film Chip Inductors (0402 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	TFL0510	Thin Film Chip Inductors (0402 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	TFL1608	Thin Film Chip Inductors (0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
Capacitors	HTC0603	Thin Film Capacitor (0201 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	HTC1005	Thin Film Capacitor (0402 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
Filters	TBF-1005	Thin Film Band Pass Filters (0402 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<41	<2	<2	<2	<5	<5
	TBF-1608	Thin Film Band Pass Filters (0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<41	<2	<2	<2	<5	<5
	TBF-2012	Thin Film Band Pass Filters (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<41	<2	<2	<2	<5	<5
	TBL-1005	Thin Film Balun for W-LAN & Bluetooth (0402 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<41	<2	<2	<2	<5	<5
	TBL-1608	Thin Film Balun for W-LAN & Bluetooth (0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<41	<2	<2	<2	<5	<5
	TDP-2012	Diplexer for W-LAN (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<41	<2	<2	<2	<5	<5
	TBB-2012	Balance Filter for W-LAN (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	FL7B5BH	Ball Grid Array Thin Film Low Pass Filters	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	FL9B5BH	Ball Grid Array Thin Film Low Pass Filters	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
Attenuators	PAT0510S	High Frequency Thin Film Chip Attenuators(0402 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	PAT0816	High Frequency Thin Film Chip Attenuators(0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	PAT1220	High Frequency Thin Film Chip Attenuators(0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	PAT1632	High Frequency Thin Film Chip Attenuators(1206 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	PAT3042S	High Frequency Thin Film Chip Attenuators(1712 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	PXV1220	Thermo-Variable Thin Film Chip Attenuators (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
Power Splitters	PS1608G	High Frequency Thin Film Power Splitters(0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	PS2012G	High Frequency Thin Film Power Splitters(0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	PS3216G	High Frequency Thin Film Power Splitters(1206 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
	PS5025G	High Frequency Thin Film Power Splitters(2010 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<1	<2	<25	<25
Sound Components	RRS1608	Audio Thin Film Chip Resistors (0603 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	RRS2012	Audio Thin Film Chip Resistors (0805 size)	Matte Sn	YES	1	260 deg C 10sec max.	2	<2	<2	<2	<2	<5	<5
	HAP-BME-20	Thin & Mini Piezo Speaker	Matte Sn	YES	1	260 deg C 10sec max.	2	<10	<5	<2	<2	<10	<10

Susumu(SSM) hereby certifies that all materials and/or components used to manufacture the product(s) mentioned above are in compliance with the EU Directive 2002/95/EC for Restriction of Hazardous Substances (RoHS).

Furthermore, Supplier certifies that this information accurately represents the supplier's status in meeting those requirements.

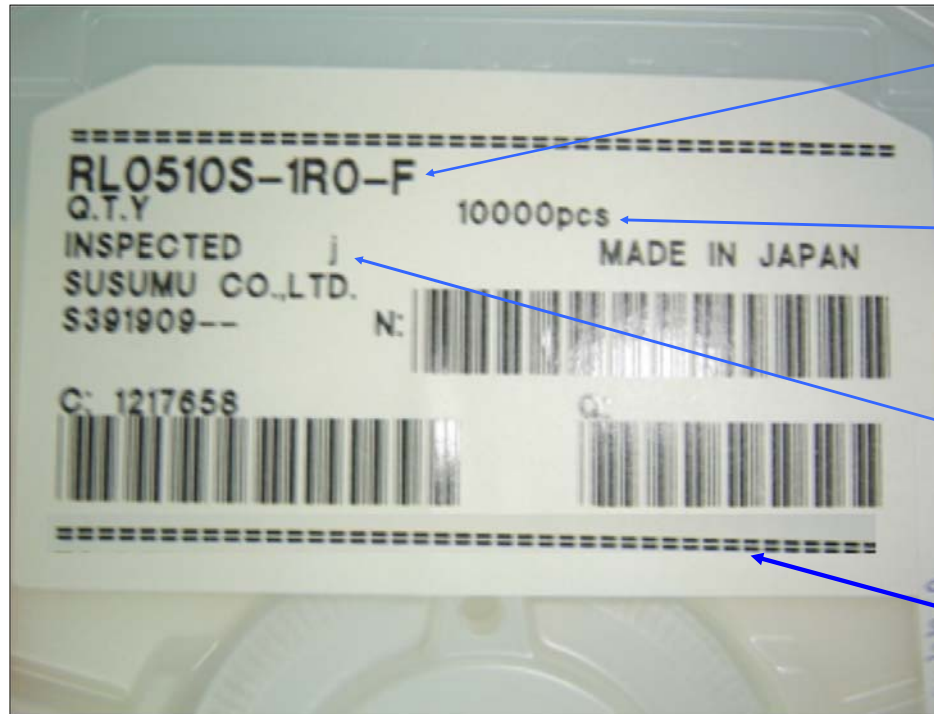
**NOTE:**

1. RG, RGH RM, RP PRL, KRL HOL, HTC, PCMC(B), PW, PS0\*\*, FL7B5BH, FL9B5BH, HAP-BME-20 and RRS are only made as RoHS Compliance and Lead-Free.

2.Compliant and Non-compliant will be differentiated by LABEL on the plastic reel.

Compliant Components; dotted line on the label for the RR, RT, RN, RA, RL, TFL and PS\*\*\*\*G. **Please see description on next page)**

## Description of RoHS Compliance and LEAD FREE



Parts number  
(Type designation)

Quantity per reel

Manufacturing  
date code

**Identification showing  
RoHS Compliance  
& lead-free parts(Sn 100%)**



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SUSUMU Co.,Ltd REACH Compliance-07/15/2014

## Certificate of REACH Compliance

We, SUSUMU hereby certify that the product series listed below **do not contain** any of the REACH Substances of Very High Concern (SVHC), as specified in the table below according to the Candidate list published by ECHA (European Chemical Agency).

SUSUMU's product numbers (series)

URG1608, URG2012, URG3216, PRG3216, PRG5025, PRG6432  
RG1005, RG1608, RG2012, RG3216, RM2012, RM3216, RM3225, RM6432  
RGH1005, RGH1608, RGH2012  
RR0306, RR0510, RR0816, RR1220, RR1632, RR2632, RN73  
RT0603, RT0510, RT0816, RT1220, RP1005, RP1608, RP2012  
PRL0816, PRL1220, PRL1632, PRL3264, RL3720W, RL7520W  
RL0510, RL0816, RL1220, RL1632, RL3264, RL3264L4, RL3264SW4  
RL1632H, RL3264-6, RL3264-6C, RL3264-9V, RL3264-6W, RL3264-9C  
KRL1220, KRL1632, KRL3264  
KRL2012, KRL3216, KRL7638, KRL9045, KRL11050  
PCMC042T, PCMB042T, PCMC053T, PCMB053T, PIMB136T  
PCMC063T, PCMB063T, PCMB065T, PCMB103T(E), PCMB104T(E)  
PCMB101E, PCMB105T, PCMC133E, PCMC135T  
HPL0603, HPL1005, TFL0816, PAT0510S, PAT1220, PAT1608, PAT1632, PAT3042S  
PXV1220, PBV1632

Substance List: Substance of Very High Concern (SVHC) List

SUSUMU Co., Ltd.

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QA Manager  
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No.	Substance	CAS No.
1	Anthracene	120-12-7
2	4,4'- Diaminodiphenylmethane	101-77-9
3	Dibutyl phthalate	84-74-2
4	Cobalt dichloride	7646-79-9
5	Diarsenic pentaoxide	1303-28-2
6	Diarsenic trioxide	1327-53-3
7	Sodium dichromate, dihydrate	10588-01-9
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7
10	Hexabromocyclododecane (HBCDD)	3194-55-6
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8
12	Bis(tributyltin) oxide,hexabutyldistannoxane	56-35-9
13	Lead hydrogen arsenate	7784-40-9
14	Triethyl arsenate	15606-95-8
15	Benzyl butyl phthalate	85-68-7
16	2,4-Dinitrotoluene	121-14-2
17	Anthracene oil	90640-80-5
18	Anthracene oil, anthracene paste	90640-81-6

No.	Substance	CAS No.
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2
20	Anthracene oil, anthracene paste, distn. lights	91995-17-4
21	Anthracene oil, anthracene-low	90640-82-7
22	Diisobutyl phthalate	84-69-5
23	Lead chromate	7758-97-6
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2
26	Pitch, coal tar, high temp.	65996-93-2
27	Tris(2-chloroethyl)phosphate	115-96-8
28	Acrylamide	79-06-1
29	Trichloroethylene	79-01-6
30	Boric acid	10043-35-3
31	Disodium tetraborate, anhydrous	1330-43-4
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1
33	Sodium chromate	7775-11-3
34	Potassium chromate	7789-00-6
35	Ammonium dichromate	7789-09-5
36	Potassium dichromate	7778-50-9

No.	Substance	CAS No.
37	2-Ethoxyethanol	110-80-5
38	2-Methoxyethanol	109-86-4
39	Chromic acid	7738-94-5
40	Chromium trioxide	1333-82-0
41	Cobalt(II) carbonate	513-79-1
42	Cobalt(II) diacetate	71-48-7
43	Cobalt(II) dinitrate	10141-05-6
44	Cobalt(II) sulphate	10124-43-3
45	1,2,3-Trichloropropane	96-18-4
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4
48	1-Methyl-2-pyrrolidone	872-50-4
49	2-Ethoxyethyl acetate	111-15-9
50	Hydrazine	302-01-2 / 7803-57-8
51	Strontium chromate	7789-06-2
52	Dichromium tris(chromate)	24613-89-6
53	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9



No.	Substance	CAS No.
54	Pentazinc chromate octahydroxide	49663-84-5
55	Aluminosilicate Refractory Ceramic Fibres (RCF)	-
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4
58	Bis(2-methoxyethyl) phthalate	117-82-8
59	2-Methoxyaniline; o-Anisidine	90-04-0
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9
61	1,2-Dichloroethane	107-06-2
62	Bis(2-methoxyethyl) ether	111-96-6
63	Arsenic acid	7778-39-4
64	Calcium arsenate	7778-44-1
65	Trilead diarsenate	3687-31-8
66	N,N-dimethylacetamide (DMAC)	127-19-5
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4
68	Phenolphthalein	77-09-8
69	Lead azide Lead diazide	13424-46-9
70	Lead styphnate	15245-44-0
71	Lead dipicrate	6477-64-1

No.	Substance	CAS No.
72	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C-I- Solvent Blue 4) [ <i>with</i> $\geq 0$ -1% of Michler's ketone (EC No- 202-027-5) or Michler's base (EC No- 202-959-2)]	6786-83-0
73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1
74	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
75	Diboron trioxide	1303-86-2
76	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2
77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [ <i>with</i> $\geq$ 0-1% of Michler's ketone (EC No- 202-027-5) or Michler's base (EC No- 202-959-2)]	561-41-1
78	Lead(II) bis(methanesulfonate)	17570-76-2
79	Formamide	75-12-7
80	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammoni um chloride (C-I- Basic Violet 3) [ <i>with</i> $\geq 0$ -1% of Michler's ketone (EC No- 202-027-5) or Michler's base (EC No- 202-959-2)]	548-62-9
81	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]c yclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C-I- Basic Blue 26) [ <i>with</i> $\geq 0$ -1% of Michler's ketone (EC No- 202-027-5) or Michler's base (EC No- 202-959-2)]	2580-56-5
83	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9
84	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8

No.	Substance	CAS No.
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5
86	Pentacosafuorotridecanoic acid	72629-94-8
87	Tricosafuorododecanoic acid	307-55-1
88	Henicosafuoroundecanoic acid	2058-94-8
89	Heptacosafuorotetradecanoic acid	376-06-7
90	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3
91	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
92	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
93	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]	-

No.	Substance	CAS No.
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-
95	Methoxyacetic acid	625-45-6
96	N,N-dimethylformamide	68-12-2
97	Dibutyltin dichloride (DBTC)	683-18-1
98	Lead monoxide (Lead oxide)	1317-36-8
99	Orange lead (Lead tetroxide)	1314-41-6
100	Lead bis(tetrafluoroborate)	13814-96-5
101	Trilead bis(carbonate)dihydroxide	1319-46-6
102	Lead titanium trioxide	12060-00-3
103	Lead titanium zirconium oxide	12626-81-2
104	Silicic acid, lead salt	11120-22-2
105	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
106	1-bromopropane (n-propyl bromide)	106-94-5
107	Methyloxirane (Propylene oxide)	75-56-9
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0
109	Diisopentylphthalate (DIPP)	605-50-5

No.	Substance	CAS No.
110	N-pentyl-isopentylphthalate	776297-69-9
111	1,2-diethoxyethane	629-14-1
112	Acetic acid, lead salt, basic	51404-69-4
113	Lead oxide sulfate	12036-76-9
114	[Phthalato(2-)]dioxotrilead	69011-06-9
115	Dioxobis(stearato)trilead	12578-12-0
116	Fatty acids, C16-18, lead salts	91031-62-8
117	Lead cyanamidate	20837-86-9
118	Lead dinitrate	10099-74-8
119	Pentalead tetraoxide sulphate	12065-90-6
120	Pyrochlore, antimony lead yellow	8012-00-8
121	Sulfurous acid, lead salt, dibasic	62229-08-7
122	Tetraethyllead	78-00-2
123	Tetralead trioxide sulphate	12202-17-4
124	Trilead dioxide phosphonate	12141-20-7
125	Furan	110-00-9
126	Diethyl sulphate	64-67-5
127	Dimethyl sulphate	77-78-1
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2

No.	Substance	CAS No.
129	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7
130	4,4'-methylenedi-o-toluidine	838-88-0
131	4,4'-oxydianiline and its salts	101-80-4
132	4-aminoazobenzene	60-09-3
133	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7
134	6-methoxy-m-toluidine (p-cresidine)	120-71-8
135	Biphenyl-4-ylamine	92-67-1
136	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	97-56-3
137	o-toluidine	95-53-4
138	N-methylacetamide	79-16-3
139	Cadmium oxide	1306-19-0
140	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]	-
141	Dipentyl phthalate (DPP)	131-18-0
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
144	Cadmium	7440-43-9
145	Cadmium sulphide	1306-23-6

No.	Substance	CAS No.
146	Dihexyl phthalate	84-75-3
147	"Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1- sulphonate) (C.I. Direct Red 28)"	573-58-0
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
149	"Imidazolidine-2-thione; 2-imidazoline-2-thiol"	96-45-7
150	Lead di(acetate)	301-04-2
151	Trixylyl phosphate	25155-23-1
152	Cadmium chloride	10108-64-2
153	Sodium peroxometaborate	7632-04-4
154	Sodium perborate; perboric acid, sodium salt	-
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4