



RoHS/RoHS2 Statement

Date: February 19, 2018

Dear Valued Customer:

American Accurate Components, Inc registered company, manufactures and sells passive electronic components. This letter outlines the current RoHS/RoHS2 compliance status for the products that we manufacture and distribute.

Products are RoHS/RoHS2 Compliant utilizing exemption 7.C.1 (Comply to Directive 2011/65/EU) and (EU) 2015/863:

Product Type:	Series:
Chip Resistor	CT, CTL, CR, CJ, CRH, CRHA, CRL, CRX, CRG, CTG, CTLG, CRHG, CRXG
Chip Attenuator	OESAT, AT
Resistor Networks	CRN, CTN
Power Splitters	PPS
Ultra Stable Thin Film Resistor	RP3

Products and Packaging Materials Free of Certain Banned Substances

This document certifies on behalf of American Accurate Components, Inc that, except for lead or other noted exceptions, to the best of American Accurate Components, Inc knowledge the substances listed below are not present in American Accurate Components, Inc products or packaging materials.

- ozone depleting substances
- mercury or mercury compounds (1)
- cadmium or cadmium compounds(1)
- hexavalent chromium(1)
- lead (1) (2)
- polybrominated biphenyls (pBBS) and diphenyl oxides/ethers (PBDOs/PBDEs)
- polychlorinated biphenyls (PCBs) and terphenyls (PCTs) and naphthalenes
- chlorinated aliphatic and aromatic compounds, including pentachlorophenol and related compounds
- organo-tin compounds
- asbestos
- azo compounds
- ethylene glycol ethers and related compounds
- formaldehyde
- phthalates
- PVC
- tetrabromobisphenol A
- FR720
- radioactive substances



The following tables represent examples of chemicals from the above list that are used in American Accurate Component's Industry.

Mercury or mercury compounds (1)

Name	CAS No.	Chemical Formula	AAC Use
Mercury	7439-97-6	Hg	None
Mercury (I) Chloride	10112-91-1	Hg ₂ Cl ₂	None
Mercury (II) Chloride	7487-94-7	HgCl ₂	None

Cadmium or cadmium compounds(1)

Name	CAS No.	Chemical Formula	AAC Use
Cadmium	7440-43-9	Cd	None
Cadmium alloys	--	--	None
Cadmium oxide	1306-19-0	CdO	None
Cadmium chloride	10108-64-2	CdCl ₂	None
Cadmium sulfide	1306-23-6 8048-07-5	CdS	None
Cadmium nitrate	10325-94-7	Cd(NO ₃) ₂	None

Hexavalent chromium(1)

Name	CAS No.	Chemical Formula	AAC Use
Chromium (VI) oxide; Chromium trioxide	1333-82-0	CrO ₃	None
Potassium Chromate	7789-00-6	K ₂ CrO ₄	None
Calcium Chromate	13765-19-0	CaCrO ₄	None
Strontium Chromate	7789-06-2	SrCrO ₄	None
Barium Chromate	10294-40-3	BaCrO ₄	None
Lead Chromate; chrome yellow	1344-37-2	PbCrO ₄	None
Zinc Chromate	12018-19-8, 13530-65-9; 14018-95-2	ZnCrO ₄	None
Sodium dichromate; sodium bichromate	10588-01-9	Na ₂ Cr ₂ O ₇	None
Potassium dichromate; potassium bichromate	7788-50-9	K ₂ Cr ₂ O ₇	None
Ammonium dichromate; potassium bichromate	7789-09-5	(NH ₄) ₂ Cr ₂ O ₇	None
Zinc dichromate; zinc bichromate	--	ZnCr ₂ O ₇	None



Lead (1) (2)

Name	CAS No.	Chemical Formula	AAC Use
Lead; metal	7439-92-1	Pb	Sn/Pb Solder
Lead / Tin Alloy	7439-92-1 - 7440-31-5	Pb-Sn	Sn/Pb Solder
Lead (II) oxide	1317-36-8	PbO	None
Lead (IV) oxide	1309-60-0	PbO ₂	None
Lead (II, IV) oxide	1314-41-6	Pb ₃ O ₄	None
Lead (II) fluoride	7783-46-2	PbF ₂	None
Lead fluoroborate	13814-96-5	Pb(BF ₄) ₂	None
Lead fluosilicate	25808-74-6	PbSiF ₆	None
Lead hydroxycarbonate	1344-36-1	(PbCO ₃) ₂ Pb(OH) ₂	None
Lead (II) Sulfate	7446-14-2, 15739-80-7	PbSO ₄	None
Lead oxide sulfate	12202-17-4	Pb ₄ SO ₇	None
Lead antimonite	13510-89-9	Pb ₃ (SbO ₄) ₂	None
Lead Chromate; chromate yellow	1344-37-2	PbCrO ₄	None
Lead molybdate	10190-55-3	PbMoO ₄	None

Polybrominated biphenyls (pBBS) and diphenyl oxides/ethers (PBDOs/PBDEs)

Name	CAS No.	Chemical Formula	AAC Use
Polybromodiphenyl ether; polybromodiphenyloxide; polybrominated biphenyl ethers; PBDE; PBDO; PBBE	--	C ₁₂ H _{10-x} Br _x O (x = 1 - 10)	None
Decabromodiphenyl ether; decabromodiphenyloxide; DBDPE; DBOPO	1163-19-5	C ₁₂ Br ₁₀ O	None
Octabromodiphenyl ether; octabromodiphenyloxide	32536-52-0	C ₁₂ H ₂ Br ₈ O	None
Hexabromodiphenyl ether; hexabromodiphenyloxide	36483-60-0	C ₁₂ H ₄ Br ₆ O	None
Pentabromodiphenyl ether; pentabromodiphenyloxide	32534-81-9	C ₁₂ H ₅ Br ₅ O	None
Polybrominated biphenyls; PBB	e.g. 67774-32-7	C ₁₂ H _{10-x} Br _x (x = 1 - 10)	None



Polychlorinated biphenyls (PCBs) and terphenyls (PCTs) and naphthalenes

Name	CAS No.	Chemical Formula	AAC Use
PCB; polychlorinated biphenyls	1336-36-3	C ₁₂ H _{10-x} Cl _x (x = 1 - 10)	None
Polychlorinated naphthalenes	--	C ₁₂ H _{8-x} Cl _x (x = 3)	None
Trichloronaphthalenes	1321-65-9	C ₁₀ H ₅ Cl ₃	None
Tetrachloronaphthalenes	1335-88-2	C ₁₀ H ₄ Cl ₄	None
Pentachloronaphthalenes	1321-64-8	C ₁₀ H ₃ Cl ₅	None
Octachloronaphthalens	2234-13-1	C ₁₀ Cl ₈	None
Short Chained Chlorinated paraf-fins C ₁₀ -13, Cl ≥ 50 wt%	e.g. 85535-84-8	--	None

Organo-tin compounds

Name	CAS No.	Chemical Formula	AAC Use
Triphenyl tin N,N'-dimethyldithiocarbamate	1803-12-9	(C ₆ H ₅) ₃ Sn(CH ₃) ₂ NCS ₂	None
Tributyl tin sulfamate	6517-25-5	(C ₄ H ₉) ₃ SnSO ₃ NH ₂	None
Tributyl tin chloride	1461-22-9	(C ₄ H ₉) ₃ SnCl	None

Asbestos

Name	CAS No.	Chemical Formula	AAC Use
Asbestos	1332-21-4; 132207-32-0; 132207-33-1	--	None



Ethylene glycol ethers and related compounds

Name	CAS No.	Chemical Formula	AAC Use
Diethylene glycol ethyl ether acetate	112-15-2	--	None
Triethylene glycol monomethyl ether	112-35-6	--	None

Formaldehyde

Name	CAS No.	Chemical Formula	AAC Use
Formaldehyde; formalin; formaldehyde; formol	50-00-0	HCHO	None

PVC

Name	CAS No.	Chemical Formula	AAC Use
PVC and PVC Blends; Polyvinylchloride and polivinylchloride blends.	e.g. 9002-86-2	--	None

Antimony compounds

Name	CAS No.	Chemical Formula	AAC Use
Antimony	7440-36-0	Sb	None
Antimony Trioxide	1309-64-4	Sb ₂ O ₃ (or Sb ₄ O ₆)	None

Notes:

- Naturally occurring and may be a trace impurity. To date, not detected at a 5 ppm method detection limit.
- Some products contain lead as an intentionally added constituent. Refer to table on page 1. Packaging materials and lead free products do not.

Any questions related to American Accurate Component, Inc compliance to the RoHS/RoHS2 directive can be directed to:

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Sincerely,

Alan Sun

President