

5 Takumidai, Ono-shi, Hyogo 675-1322, Japan
Phone: 0794-63-8054, Facsimile: 0794-63-8058

To whom it may concern.

Declaration of compliance with REACH Directive

We , (Hitachi Maxell, Ltd., Micro battery Division), hereby confirm that the battery made for Maxell brand battery and its components are free of the 30 SVHC restricted under the Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH); these SVHC are not detected under the general available technological level there into.

Products Name: SR, CR, ML and ER batteries without wire connector

REACH - SVHC list

CAS#(EC)	Substance name	Basis of identification as a SVHC	Possible application
101-77-9(202-974-4)	4,4'- Diaminodiphenylmethane (MDA)	Carcinogen, cat. 2	Polyurethane
110-80-5(203-804-1)	2-Ethoxyethanol	Toxic for reproduction	
109-86-4(203-713-7)	2-Methoxyethanol	Toxic for reproduction	
56-35-9(200-268-0)	Bis(tributyltin)oxide (TBTO)	PBT	Textiles
85-68-7(201-622-7)	Benzyl Butyl Phthalate (BBP)	Toxic for reproduction, cat. 2	Plasticizer, PVC
120-12-7(204-371-1)	Anthracene	PBT	Dark rubber and plastic product
15606-95-8(427-700-2)	Triethyl arsenate	Carcinogen, cat. 1	Glass, wood preservative
25637-99-4a and 3194-55-6(134237-50-6, 134237-51-7, 134237-52-8) (247-148-4)	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	PBT	PC's and television housings

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and 221-695-9)			
81-15-2(201- 329-4)	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	vPvB	Fragrance ingredients
85535-84-8(287-476-5)	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	PBT, vPvB	Rubber, paints, gaskets, adhesive
7646-79-9(2 31-589-4)	Cobalt dichloride	Carcinogen, cat. 2	Drying agent in paint, ink
7789-12-0/ 10588-01-9 (234-190-3)	Sodium dichromate	Carcinogen, cat. 2; Mutagen, cat. 2; Toxic for reproduction, cat. 2	Pigments and dyes
117-81-7(20 4-211-0)	Bis (2-ethylhexyl)phthalate (DEHP)	Toxic for reproduction, cat. 2	Plasticizer, medical products
7784-40-9(2 32-064-2)	Lead hydrogen arsenate	Carcinogen, cat. 1; Toxic for reproduction, cat. 1	Wood preservatives
1303-28-2(2 15-116-9)	Diarsenic pentaoxide	Carcinogen, cat. 1	Glass, colorants
1327-53-3(2 15-481-4)	Diarsenic trioxide	Carcinogen, cat. 1	Glass, wood preservative
84-74-2(201- 557-4)	Dibutyl phthalate (DBP)	Toxic for reproduction, cat. 2	Softener, solvent, plasticizer in PVC
90640-80-5(292-602-7)	Anthracene oil	PBT, vPvB, Carcinogen, cat. 2	i) Anthracene and carbon black ii) Used as reducing agent in blast furnaces, as components in bunker fuel, for impregnating, sealing and corrosion protection.
91995-17-4(295-278-5)	Anthracene oil, anthracene paste, distn, lights	PBT, vPvB, Carcinogen, cat. 2 Mutagen, cat. 2	
91995-15-2(295-275-9)	Anthracene oil, anthracene paste, anthracene fraction	PBT, vPvB, Carcinogen, cat. 2 Mutagen, cat. 2	
90640-82-7(292-604-8)	Anthracene oil, anthracene-low	PBT, vPvB, Carcinogen, cat. 2 Mutagen, cat. 2	

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90640-81-6(292-603-2)	Anthracene oil, anthracene paste	PBT, vPvB, Carcinogen, cat. 2 Mutagen, cat. 2	
65996-93-2(266-028-2)	Pitch, coal tar, high temp.	PBT, vPvB, Carcinogen, cat.2	Production of electrodes for industrial applications
79-06-1(201-173-7)	Acrylamide	Carcinogen, cat. 2 Mutagen, cat 2	Synthesis of polyacrylamides
	<p>Aluminosilicate Refractory Ceramic Fibres</p> <p><i>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions:</i></p> <p><i>a) Al₂O₃ and SiO₂ are present within the following concentration ranges:</i></p> <ul style="list-style-type: none"> • <i>Al₂O₃: 43.5 – 47 % w/w, and SiO₂: 49.5 – 53.5 % w/w,</i> <p><i>or</i></p> <ul style="list-style-type: none"> • <i>Al₂O₃: 45.5 – 50.5 % w/w, and SiO₂: 48.5 – 54 % w/w,</i> <p><i>b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm).</i></p>	Carcinogen, cat. 2	High-temperature insulation and in fire protection
	Zirconia Aluminosilicate Refractory	Carcinogen, cat. 2	High-temperature

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	<p>Ceramic Fibres <i>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions:</i></p> <p><i>a) Al_2O_3, SiO_2 and ZrO_2 are present within the following concentration ranges:</i></p> <ul style="list-style-type: none"> • <i>Al_2O_3: 35 – 36 % w/w, and</i> • <i>SiO_2: 47.5 – 50 % w/w, and</i> • <i>ZrO_2: 15 - 17 % w/w,</i> <p><i>b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm).</i></p>		insulation and in fire protection
121-14-2(204-450-0)	2,4-Dinitrotoluene	Carcinogen, cat. 2	Manufacture of flexible polyurethane foams
7738-94-5/ 13530-68-2(231-801-5/ 236-881-5)	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	Carcinogenic	
1333-82-0(215-607-8)	Chromium trioxide	Carcinogenic	
513-79-1(208-169-4)	Cobalt(II) carbonate	Carcinogenic and toxic for reproduction	
71-48-7(200-755-8)	Cobalt(II) diacetate	Carcinogenic and toxic for reproduction	

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10141-05-6(233-402-1)	Cobalt(II) dinitrate	Carcinogenic and toxic for reproduction	
10124-43-3(215-116-9)	Cobalt(II) sulphate	Carcinogenic and toxic for reproduction	
84-69-5(201-553-2)	Diisobutyl phthalate	Toxic for reproduction, cat. 2	Plasticizer for nitrocellulose, cellulose ether, polyacrylate and polyacetate dispersions
7758-97-6(231-846-0)	Lead Chromate	Carcinogen, cat. 2, Toxic for reproduction, cat. 1	Manufacture of pigments and dyes
12656-85-8(235-759-9)	Lead Chromate molybdate sulphate red (C.I. Pigment Red 104)	Carcinogen, cat. 2, Toxic for reproduction, cat. 1	Colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries
1344-37-2(215-693-7)	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	Carcinogen, cat. 2, Toxic for reproduction, cat. 1	
115-96-8(204-118-5)	Tris(2-chloroethyl)phosphate	Toxic for reproduction, cat. 2	Additive plasticizer and viscosity regulator with flame-retarding properties for acrylic resins, polyurethane, polyvinyl chloride and other polymers
12267-73-1(235-541-3)	Tetraboron disodium heptaoxide, hydrate	Toxic for reproduction	
79-01-6(201-167-4)	Trichloroethylene	Carcinogenic	
115-96-8(204-118-5)	Tris(2-chloroethyl)phosphate	Toxic for reproduction	
7775-11-3(231-889-5)	Sodium chromate	Carcinogenic, mutagenic and toxic for reproduction	
7789-00-6(232-140-5)	Potassium chromate	Carcinogenic and mutagenic	

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7789-09-5(2 32-143-1)	Ammonium dichromate	Carcinogenic, mutagenic and toxic for reproduction	
10043-35-3/ 11113-50-1 (233-139-2 / 234-343-4)	Boric acid	Toxic for reproduction	
1330-43-4/1 2179-04-3(2 15-540-4)	Disodium tetraborate, anhydrous	Toxic for reproduction	
7778-50-9(2 31-906-6)	Potassium dichromate	Carcinogenic, mutagenic and toxic for reproduction	

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Name: Akira Asada

Title: Senior Engineer

Department: Design Department

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