

To : AVNET ABACUS

Title : EU REACH DIRECTIVE

We, Nidec Copal Electronics Corp, hereby declare that nothing of the **201** substances on the list is included in the following products at or above the 0.1% weight by weight concentration.

Product Name/Part Number :

[Trimmer Potentiometers]

RJ-4E,CT-6E,FT-63E,TM-7E,ST-4E,ST-42E,ST-7E,ST-32E

[Switches]

CSU,CSS,CYP,S-2000,S-7000,S-8000,S-1000A,S-2000A,CMS,SS-10,CS-4,CS-7,SMRR7000C,SH-7000,CAS-120

CAS-220.CAS-D20.SA-7000.CJS.SC-1000.SC-2000.SD-2000.CHS.CVS.CHP.CFS.CFP.CL-DA.CL-SA.CL-

Our products include (one or more) of **201** SVHC candidates above a concentration of 0.1% weight by weight (w/w).

Product Name/Part Number :

[Trimmer Potentiometers · Switches]

"No. 185 Lead " exceeds 0.1% by weight

RJ-5E,CT-94E,SM-3,SM-42,ST-5E,CT-20E

No.	Substance Name	contains 0.1% or more in
1	Triethyl Arsenate	No
2	Anthracene	No
3	4,4'-Diaminodiphenylmethane	No
4	Dibutyl Phthalate	No
5	Cobalt Dichloride	No
6	Diarsenic Pentaoxide	No
7	Diarsenic Trioxide	No
8	Sodium Dichromate	No
9	5-Tert-Butyl- 2, 4, 6-trinitro-m-xylene (Musk Xylene)	No
10	Bis (2-ethylhexyl) phthalate (DEHP)	No
11	Hexabromocyclododecane Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	No
12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	No
13	Bis (Tributyltin) Oxide (TBTO)	No
14	Lead hydrogen arsenate	No
15	Benzyl butyl phthalate (BBP)	No
16	Anthracene oil	No
17	Anthracene oil, anthracene paste, distn. Lights	No
18	Anthracene oil, anthracene paste, anthracene fraction	No
19	Anthracene oil, anthracene-low	No
20	Anthracene oil, anthracene paste	No
21	Coal tar pitch, high temperature	No
22	Acrylamide	No
23	2,4-Dinitrotoluene	No
24	Diisobutyl phtalate (DIBP)	No
25	Lead chromate	No
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	No
27	Lead sulfochromate yellow (C.I. Pigment yellow 34)	No
28	Tris (2-chloroethyl) phosphate (TCEP)	No
29	Trichloroethylene	No
30	Boric Acid	No
31	Disodium Tetraborate, Anhydrous	No
32	Tetraboron Disodium Heptaoxide, Hydrate	No
33	Sodium Chromate	No
34	Potassium Chromate	No
35	Ammonium Dichromate	No
36	Potassium Dichromate	No
37	Cobalt(II) sulphate	No
38	Cobalt(II) dinitrate	No
39	Cobalt(II) carbonate	No
40	Cobalt(II) diacetate	No
41	2-Methoxyethanol	No
42	2-Ethoxyethanol	No
43	Chromium trioxide	No
44	Acids generated from chromium trioxide and their oligomers Group containing: ·Chromic acid ·Dichromic acid Oligomers of chromic acid and dichromic acid·	No
45	2-ethoxyethyl acetate	No
46	strontium chromate	No
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	No
48	Hydrazine	No
49	1-methyl-2-pyrrolidone	No

No.	Substance Name	contains 0.1% or more in
50	1,2,3-trichloropropane	No
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	No
52	Dichromium tris(chromate)	No
53	Potassium hydroxyoctaoxidizincatedi-chromate	No
54	Pentazinc chromate octahydroxide	No
55	Aluminosilicate Refractory Ceramic Fibres	No
56	Zirconia Aluminosilicate Refractory Ceramic Fibres	No
57	Formaldehyde, oligomeric reaction products with aniline	No
58	Bis(2-methoxyethyl) phthalate	No
59	2-Methoxyaniline; o-Anisidine	No
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	No
61	1,2-Dichloroethane	No
62	Bis(2-methoxyethyl) ether	No
63	Arsenic acid	No
64	Calcium arsenate	No
65	Trilead diarsenate	No
66	N,N-dimethylacetamide	No
67	2,2'-dichloro-4,4'-methylenedianiline	No
68	Phenolphthalein	No
69	Lead azide Lead diazide	No
70	Lead styphnate	No
71	Lead dipicrate	No
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	No
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	No
74	Diboron trioxide	No
75	Formamide	No
76	Lead(II) bis(methanesulfonate)	No
77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	No
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	No
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	No
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	No
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	No
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	No
83	α, α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	No
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	No
85	Bis(pentabromophenyl) ether (DecaBDE)	No
86	Pentacosafuorotridecanoic acid	No
87	Tricosafuorododecanoic acid	No
88	Henicosafuoroundecanoic acid	No
89	Heptacosafuorotetradecanoic acid	No
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	No
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	No
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	No
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	No
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	No
95	Methoxy acetic acid	No
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	No
97	Diisopentylphthalate (DIPP)	No
98	N-pentyl-isopentylphthalate	No
99	1,2-Diethoxyethane	No
100	N,N-dimethylformamide; dimethyl formamide	No
101	Dibutyltin dichloride (DBT)	No
102	Acetic acid, lead salt, basic	No
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	No
104	Lead oxide sulfate (basic lead sulfate)	No
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	No
106	Dioxobis(stearato)trilead	No
107	Fatty acids, C16-18, lead salts	No
108	Lead bis(tetrafluoroborate)	No
109	Lead cyanamide	No
110	Lead dinitrate	No
111	Lead oxide (lead monoxide)	No
112	Lead tetroxide (orange lead)	No
113	Lead titanium trioxide	No
114	Lead Titanium Zirconium Oxide	No
115	Pentalead tetraoxide sulphate	No
116	Pyrochlore, antimony lead yellow	No
117	Silicic acid, barium salt, lead-doped	No
118	Silicic acid, lead salt	No
119	Sulfurous acid, lead salt, dibasic	No
120	Tetraethyllead	No
121	Tetralead trioxide sulphate	No
122	Trilead dioxide phosphonate	No

No.	Substance Name	contains 0.1% or more in
123	Furan	No
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	No
125	Diethyl sulphate	No
126	Dimethyl sulphate	No
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	No
128	Dinoseb	No
129	4,4'-methylenedi-o-toluidine	No
130	4,4'-oxydianiline and its salts	No
131	4-Aminoazobenzene; 4-Phenylazoaniline	No
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	No
133	6-methoxy-m-toluidine (p-cresidine)	No
134	Biphenyl-4-ylamine	No
135	o-aminoazotoluene	No
136	o-Toluidine; 2-Aminotoluene	No
137	N-methylacetamide	No
138	1-bromopropane; n-propyl bromide	No
139	Cadmium	No
140	Cadmium oxide	No
141	Dipentyl phthalate (DPP)	No
142	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	No
143	Ammonium pentadecafluorooctanoate (APFO)	No
144	Pentadecafluorooctanoic acid (PFOA)	No
145	Cadmium sulphide	No
146	Dihexyl phthalate	No
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red	No
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)	No
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	No
150	Lead di(acetate)	No
151	Trixylyl phosphate	No
152	Cadmium chloride	No
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	No
154	Sodium peroxometaborate	No
155	Sodium perborate; perboric acid, sodium salt	No
156	Cadmium fluoride	No
157	Cadmium sulphate	No
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	No
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	No
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	No
161	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 MOTF)	No
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	No
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 isomers of [1] and [2] or any combination thereof]	No
164	1,3-propanesultone	No
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	No
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	No
167	Nitrobenzene	No
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluorononanoic acid and its sodium and ammonium salts	No
169	Benzo[def]chrysene (Benzo[a]pyrene)	No
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	No
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	No
172	p-(1,1-dimethylpropyl)phenol	No
173	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]	No

No.	Substance Name	contains 0.1% or more in
174	Perfluorohexane-1-sulphonic acid and its salts	No
175	Chrysene	No
176	Benz[a]anthracene	No
177	Cadmium nitrate	No
178	Cadmium hydroxide	No
179	Cadmium carbonate	No
180	1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo [12.2.1.16,9.02,13.05,10] octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	No
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear	No
182	Octamethylcyclotetrasiloxane (D4)	No
183	Decamethylcyclopentasiloxane (D5)	No
184	Dodecamethylcyclohexasiloxane (D6)	No
185	Lead	Yes
186	Disodium octaborate	No
187	Benzo[ghi]perylene	No
188	Terphenyl hydrogenated	No
189	Ethylenediamine	No
190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	No
191	Dicyclohexyl phthalate (DCHP)	No
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	No
193	Benzo[k]fluoranthene	No
194	Fluoranthene	No
195	Phenanthrene	No
196	Pyrene	No
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one(3-benzylidene camphor)	No
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	No
199	2-methoxyethyl acetate	No
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	No
201	4-tert-butylphenol	No

Best Regards,



Atsushi Koyama
CORPORATIVE QA MANAGER
Nidec Copal Electronics Corporation
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