



New Japan Radio Co., Ltd.

Certificate of REACH compliance

The regulation entered into force on June 1, 2007. New Japan Radio Co., Ltd. is compliance with requirement of REACH regulation (EC 1907/2006 on Registration, Evaluation, Authorization, and Restriction of Chemicals) in order that we ensure the protection of human health and environment.

New Japan Radio's all products are articles and are neither substances nor preparations. We do not manufacture any products that intentionally released chemicals. Therefore Registration obligation of requirement of REACH is not applied to us.

Our articles do not contain chemical substances in Substances of Very High Concerns (SVHC, see Table I) candidate list above 0.1% by weight per article, except for listed products in Table II. At this time, obligation to inform customers according to REACH regulation is apply to us. Since SVHC candidate list will be revised from time to time, we continue to monitor REACH regulation.

Manager of Quality Control

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3 September 2018

Table I. Current Substances of Very High Concerns (SVHC) candidate list is below:

(Updated on 27 June, 2018)

Substance Name	EC Number	CAS Number	Date of inclusion
Octamethylcyclotetrasiloxane (D4)	209-136-7	556-67-2	2018/6/27
Decamethylcyclopentasiloxane (D5)	208-764-9	541-02-6	2018/6/27
Dodecamethylcyclohexasiloxane (D6)	208-762-8	540-97-6	2018/6/27
Lead	231-100-4	7439-92-1	2018/6/27
Disodium octaborate	234-541-0	12008-41-2	2018/6/27
Benzo[ghi]perylene	205-883-8	191-24-2	2018/6/27
Terphenyl hydrogenated	262-967-7	61788-32-7	2018/6/27
Ethylenediamine (EDA)	203-468-6	107-15-3	2018/6/27
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	209-008-0	552-30-7	2018/6/27
Dicyclohexyl phthalate (DCHP)	201-545-9	84-61-7	2018/6/27
Chrysene	205-923-4	218-01-9	2018/1/15
Benz[a]anthracene	200-280-6	56-55-3	2018/1/15
Cadmium nitrate	233-710-6	10325-94-7	2018/1/15
Cadmium hydroxide	244-168-5	21041-95-2	2018/1/15
Cadmium carbonate	208-168-9	513-78-0	2018/1/15
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]	-	-	2018/1/15
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]	-	-	2018/1/15
Perfluorohexane-1-sulphonic acid and its salts	206-587-1	355-46-4	2017/7/7
4,4'isopropylidenediphenol (bisphenol A)	201-245-8	1980/5/7	2016/12/19
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3	335-76-2, 3108-42-7,383 0-45-3	2016/12/19
4-heptylphenol, branched and linear	-	-	2016/12/19
4-tert-pentylphenol (PTAP)	201-280-9	80-46-6	2016/12/19
Benzo[def]chrysene (Benzo[a]pyrene)	200-028-5	50-32-8	2016/6/20
Nitrobenzene	202-716-0	98-95-3	2015/12/17
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	2015/12/17
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	2015/12/17
1,3-propanesultone	214-317-9	1120-71-4	2015/12/17
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	206-801-3	375-95-1, 21049-39-8, 4149-60-4	2015/12/17
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 (EC No. 201-559-5)	71-094-0,27 2-013-1	68515-51-5,68 648-93-1	2015/6/15
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]	-	-	2015/6/15
Cadmium fluoride	232-222-0	7790-79-6	2014/12/17

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Cadmium sulphate	233-331-6	10124-36-4;31119-53-6	2014/12/17
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	2014/12/17
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	2014/12/17
2-ethylhexyl10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	2014/12/17
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
Bis(2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7	2014/12/17
Cadmium chloride	233-296-7	10108-64-2	2014/6/16
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	2014/6/16
Sodium peroxometaborate	231-556-4	7632/4/4	2014/6/16
Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	-	2014/6/16
Cadmium sulphide	215-147-8	1306-23-6	2013/12/20
Dihexyl phthalate	201-559-5	84-75-3	2013/12/20
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. DirectRed 28)	209-358-4	573-58-0	2013/12/20
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)	217-710-3	1937-37-7	2013/12/20
Imidazolidine-2-thione;2-imidazoline-2-thiol	202-506-9	96-45-7	2013/12/20
Lead di(acetate)	206-104-4	301-04-2	2013/12/20
Trixylyl phosphate	246-677-8	25155-23-1	2013/12/20
Cadmium	231-152-8	7440-43-9	2013/6/20
Cadmium oxide	215-146-2	1306-19-0	2013/6/20
Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	2013/6/20
Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	2013/6/20
Dipentyl phthalate (DPP)	205-017-9	131-18-0	2013/6/20
4-Nonylphenol, branched and linear, ethoxylated	-	-	2013/6/20
Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	2012/12/19
6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	2012/12/19
Henicosfluoroundecanoic acid	218-165-4	2058-94-8	2012/12/19
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]	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	2012/12/19
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]	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	2012/12/19
Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	2012/12/19

Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	2012/12/19
Lead dinitrate	233-245-9	10099-74-8	2012/12/19
Silicic acid, lead salt	234-363-3	11120-22-2	2012/12/19
4-Aminoazobenzene	200-453-6	60-09-3	2012/12/19
Lead titanium zirconium oxide	235-727-4	12626-81-2	2012/12/19
Lead monoxide (lead oxide)	215-267-0	1317-36-8	2012/12/19
o-Toluidine	202-429-0	95-53-4	2012/12/19
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	2012/12/19
Silicic acid (H ₂ Si ₂ O ₅), 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]	272-271-5	68784-75-8	2012/12/19
Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6	2012/12/19
Furan	203-727-3	110-00-9	2012/12/19
N,N-dimethylformamide	200-679-5	68-12-2	2012/12/19
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	2012/12/19
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]	-	-	2012/12/19
4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	2012/12/19
Diethyl sulphate	200-589-6	64-67-5	2012/12/19
Dimethyl sulphate	201-058-1	77-78-1	2012/12/19
Lead oxide sulfate	234-853-7	12036-76-9	2012/12/19
Lead titanium trioxide	235-038-9	12060-00-3	2012/12/19
Acetic acid, lead salt, basic	257-175-3	51404-69-4	2012/12/19
[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	2012/12/19
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	2012/12/19
N-methylacetamide	201-182-6	79-16-3	2012/12/19
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	2012/12/19
1,2-Diethoxyethane	211-076-1	629-14-1	2012/12/19
Tetralead trioxide sulphate	235-380-9	12202-17-4	2012/12/19
N-pentyl-isopentylphthalate	-	776297-69-9	2012/12/19
Dioxobis(stearato)trilead	235-702-8	12578-12-0	2012/12/19
Tetraethyllead	201-075-4	78-00-2	2012/12/19
Pentalead tetraoxide sulphate	235-067-7	12065-90-6	2012/12/19
Pentacosfluorotridecanoic acid	276-745-2	72629-94-8	2012/12/19
Tricosfluorododecanoic acid	206-203-2	307-55-1	2012/12/19
Heptacosfluorotetradecanoic acid	206-803-4	376-06-7	2012/12/19
1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	2012/12/19
Methoxyacetic acid	210-894-6	625-45-6	2012/12/19
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	2012/12/19
Methyloxirane (Propylene oxide)	200-879-2	75-56-9	2012/12/19

Trilead dioxide phosphonate	235-252-2	12141-20-7	2012/12/19
o-aminoazotoluene	202-591-2	97-56-3	2012/12/19
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	2012/12/19
4,4'-oxydianiline and its salts	202-977-0	101-80-4	2012/12/19
Orange lead (lead tetroxide)	215-235-6	1314-41-6	2012/12/19
Biphenyl-4-ylamine	202-177-1	92-67-1	2012/12/19
Diisopentylphthalate	210-088-4	605-50-5	2012/12/19
Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	2012/12/19
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	2012/12/19
Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	2012/12/19
Lead cyanamidate	244-073-9	20837-86-9	2012/12/19
α,α -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)]	229-851-8	6786-83-0	2012/6/18
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	2012/6/18
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	423-400-0	59653-74-6	2012/6/18
Diboron trioxide	215-125-8	1303-86-2	2012/6/18
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	2012/6/18
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)]	209-218-2	561-41-1	2012/6/18
Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	2012/6/18
Formamide	200-842-0	75-12-7	2012/6/18
[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)]	208-953-6	548-62-9	2012/6/18
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	2012/6/18
[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)]	219-943-6	2580-56-5	2012/6/18
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	2012/6/18
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	2012/6/18
4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	2011/12/19
N,N-dimethylacetamide	204-826-4	127-19-5	2011/12/19
Phenolphthalein	201-004-7	77-09-8	2011/12/19
Lead diazide, Lead azide	236-542-1	13424-46-9	2011/12/19
Lead dipicrate	229-335-2	6477-64-1	2011/12/19
1,2-dichloroethane	203-458-1	107-06-2	2011/12/19
Calcium arsenate	231-904-5	7778-44-1	2011/12/19
Dichromium tris(chromate)	246-356-2	24613-89-6	2011/12/19
2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	2011/12/19
Pentazinc chromate octahydroxide	256-418-0	49663-84-5	2011/12/19
Arsenic acid	231-901-9	7778-39-4	2011/12/19
Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	2011/12/19

Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	2011/12/19
Lead styphnate	239-290-0	15245-44-0	2011/12/19
Trilead diarsenate	222-979-5	3687-31-8	2011/12/19
Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 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 three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	2011/12/19
Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	2011/12/19
Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 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 three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	2011/12/19
Bis(2-methoxyethyl) ether	203-924-4	111-96-6	2011/12/19
2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	2011/12/19
Cobalt dichloride	231-589-4	7646-79-9	2011/06/20 - 2008/10/28
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	2011/6/20
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	2011/6/20
Strontium chromate	232-142-6	7789-06-2	2011/6/20
1-Methyl-2-pyrrolidone	212-828-1	872-50-4	2011/6/20
1,2,3-Trichloropropane	202-486-1	96-18-4	2011/6/20
2-Ethoxyethyl acetate	203-839-2	111-15-9	2011/6/20
Hydrazine	206-114-9	302-01-2, 7803-57-8	2011/6/20
Cobalt(II) diacetate	200-755-8	71-48-7	2010/12/15
Cobalt(II) sulphate	233-334-2	10124-43-3	2010/12/15
2-Ethoxyethanol	203-804-1	110-80-5	2010/12/15
Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.	231-801-5, 236-881-5	7738-94-5, 13530-68-2	2010/12/15
2-Methoxyethanol	203-713-7	109-86-4	2010/12/15
Chromium trioxide	215-607-8	1333-82-0	2010/12/15
Cobalt(II) carbonate	208-169-4	513-79-1	2010/12/15

Cobalt(II) dinitrate	233-402-1	10141-05-6	2010/12/15
Trichloroethylene	201-167-4	79-01-6	2010/6/18
Potassium dichromate	231-906-6	7778-50-9	2010/6/18
Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	2010/6/18
Ammonium dichromate	232-143-1	7789-09-5	2010/6/18
Boric acid	233-139-2, 234-343-4	10043-35-3, 11113-50-1	2010/6/18
Sodium chromate	231-889-5	7775-11-3	2010/6/18
Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-3	2010/6/18
Potassium chromate	232-140-5	7789-00-6	2010/6/18
Acrylamide	201-173-7	79-06-1	2010/3/30
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	2010/1/13
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	2010/1/13
Anthracene oil	292-602-7	90640-80-5	2010/1/13
2,4-Dinitrotoluene	204-450-0	121-14-2	2010/1/13
Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	2010/1/13
Anthracene oil, anthracene-low	292-604-8	90640-82-7	2010/1/13
Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	2010/1/13
Diisobutyl phthalate	201-553-2	84-69-5	2010/1/13
Lead chromate	231-846-0	7758-97-6	2010/1/13
Anthracene oil, anthracene paste	292-603-2	90640-81-6	2010/1/13
Pitch, coal tar, high temp.	266-028-2	65996-93-2	2010/1/13
Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	2010/1/13
Lead hydrogen arsenate	232-064-2	7784-40-9	2008/10/28
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	2008/10/28
Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	2008/10/28
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	2008/10/28
Diarsenic trioxide	215-481-4	1327-53-3	2008/10/28
Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	2008/10/28
Triethyl arsenate	427-700-2	15606-95-8	2008/10/28
Diarsenic pentaoxide	215-116-9	1303-28-2	2008/10/28
Sodium dichromate	234-190-3	7789-12-0, 10588-01-9	2008/10/28
Dibutyl phthalate (DBP)	201-557-4	84-74-2	2008/10/28
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	2008/10/28
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	2008/10/28
Anthracene	204-371-1	120-12-7	2008/10/28
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4, 221-695-9	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	2008/10/28