



Declaration of REACH and ROHS



High Quality & High Performance Memory Provider

Feb-03 2016

NETSOL Co., Ltd.

netsol@netsol.co.kr

Declaration



To	Dear Customer
From	NETSOL Co., Ltd.
Date	Feb. 2016
Subject	Declaration of 168 SVHCs of REACH and ROHS
Product	NETSOL Products

(1) REACH

NETSOL Co., Ltd. (the company) hereby declares that all our lead free products do not exceed the controlled levels of 0.1% by weight allowable limit, based on the 168 SVHCs (Substances of Very High Concern) published by European Chemicals Agency (ECHA) on 02 Feb 2016, regarding Regulation (EC) no 1907/2006 concerning the REACH. The latest revision to the candidate list was published by the European Chemicals Agency at:

<http://echa.europa.eu/web/guest/candidate-list-table>

(2) ROHS

NETSOL Co., Ltd. (the company) hereby guarantee that all our lead free products do not exceed the controlled levels by weight allowable limit.

This document is in conformity with the following Directive & Decisions.

- Directive 2011/65/EU, 2006/122/EC and China RoHS
- Decision 2005/717/EC and 2005/747/EC

RoHS Restricted Substances	Limitation	Halogen Restricted Substances	Limitation
Cadmium [Cd]	< 100ppm	Bromine [Br]	< 900ppm
Lead [Pb]	< 1,000ppm	Chlornic [Cl]	< 900ppm
Mercury [Hg]	< 1,000ppm	Br + Cl	< 1,500ppm
Hexavalent Chromium [CrVI]	< 1,000ppm		
Polybrominated Biphenyls [PBBs]	< 1,000ppm		
Polybrominated Diphenyl Ethers [PBDEs]	< 1,000ppm		

The company's products are not intended to release chemical substances under standard and predictable conditions. Therefore obligations of pre-register/register are irrelevant. The company will continue to monitor the status of the candidate list as part of our on-going compliance activities.

This declaration represents the company's knowledge and belief which is partially based on information provided by third party suppliers.

Regards,

Written by

- Name : WooJin Kim
- Position : Quality Assurance Manager

- Signature :

Appendix: Complying with 168 SVHC



NO.	Substance_Name	CAS_Number	Date_of_inclusion
1	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	2008/10/28
2	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	2008/10/28
3	Lead hydrogen arsenate	7784-40-9	2008/10/28
4	Bis(tributyltin)oxide (TBTO)	56-35-9	2008/10/28
5	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	2008/10/28
6	Sodium dichromate	7789-12-0, 10588-01-9	2008/10/28
7	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	2008/10/28
8	Benzyl butyl phthalate (BBP)	85-68-7	2008/10/28
9	Diarsenic trioxide	1327-53-3	2008/10/28
10	Triethyl arsenate	15606-95-8	2008/10/28
11	Diarsenic pentaoxide	1303-28-2	2008/10/28
12	Anthracene	120-12-7	2008/10/28
13	Dibutyl phthalate (DBP)	84-74-2	2008/10/28
14	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	2008/10/28
15	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	2010/01/13
16	Anthracene oil, anthracene-low	90640-82-7	2010/01/13
17	Diisobutyl phthalate	84-69-5	2010/01/13
18	Anthracene oil, anthracene paste	90640-81-6	2010/01/13
19	Tris(2-chloroethyl)phosphate	115-96-8	2010/01/13
20	Lead chromate	7758-97-6	2010/01/13
21	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	2010/01/13
22	Pitch, coal tar, high temp.	65996-93-2	2010/01/13
23	Anthracene oil, anthracene paste, distn. lights	91995-17-4	2010/01/13
24	Anthracene oil	90640-80-5	2010/01/13
25	2,4-Dinitrotoluene	121-14-2	2010/01/13
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	2010/01/13
27	Acrylamide	79-06-1	2010/03/30
28	Potassium chromate	7789-00-6	2010/06/18
29	Ammonium dichromate	7789-09-5	2010/06/18
30	Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3	2010/06/18
31	Sodium chromate	7775-11-3	2010/06/18
32	Potassium dichromate	7778-50-9	2010/06/18
33	Boric acid	10043-35-3, 11113-50-1	2010/06/18
34	Trichloroethylene	79-01-6	2010/06/18
35	Tetraboron disodium heptaoxide, hydrate	12267-73-1	2010/06/18
36	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.	7738-94-5, 13530-68-2	2010/12/15
37	2-Ethoxyethanol	110-80-5	2010/12/15
38	Cobalt(II) diacetate	71-48-7	2010/12/15
39	2-Methoxyethanol	109-86-4	2010/12/15

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NO.	Substance_Name	CAS_Number	Date_of_inclusion
40	Chromium trioxide	1333-82-0	2010/12/15
41	Cobalt(II) sulphate	10124-43-3	2010/12/15
42	Cobalt(II) carbonate	513-79-1	2010/12/15
43	Cobalt(II) dinitrate	10141-05-6	2010/12/15
44	Cobalt dichloride	7646-79-9	2011/06/20
45	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	2011/06/20
46	Strontium chromate	7789-06-2	2011/06/20
47	2-Ethoxyethyl acetate	111-15-9	2011/06/20
48	1,2,3-Trichloropropane	96-18-4	2011/06/20
49	Hydrazine	302-01-2, 7803-57-8	2011/06/20
50	1-Methyl-2-pyrrolidone	872-50-4	2011/06/20
51	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	2011/06/20
52	Lead diazide, Lead azide	13424-46-9	2011/12/19
53	Calcium arsenate	7778-44-1	2011/12/19
54	Bis(2-methoxyethyl) phthalate	117-82-8	2011/12/19
55	Arsenic acid	7778-39-4	2011/12/19
56	Lead dipicrate	6477-64-1	2011/12/19
57	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	2011/12/19
58	Phenolphthalein	77-09-8	2011/12/19
59	Bis(2-methoxyethyl) ether	111-96-6	2011/12/19
60	Pentazinc chromate octahydroxide	49663-84-5	2011/12/19
61	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
62	Trilead diarsenate	3687-31-8	2011/12/19
63	Dichromium tris(chromate)	24613-89-6	2011/12/19
64	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	2011/12/19
65	1,2-dichloroethane	107-06-2	2011/12/19
66	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	2011/12/19
67	Lead styphnate	15245-44-0	2011/12/19
68	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	2011/12/19
69	2-Methoxyaniline; o-Anisidine	90-04-0	2011/12/19

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NO.	Substance_Name	CAS_Number	Date_of_inclusion
70	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
71	N,N-dimethylacetamide	127-19-5	2011/12/19
72	Formamide	75-12-7	2012/06/18
73	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	2012/06/18
74	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	2012/06/18
75	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	2012/06/18
76	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	2012/06/18
77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	2012/06/18
78	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	2012/06/18
79	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	2012/06/18
80	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	2012/06/18
81	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	2012/06/18
82	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	2012/06/18
83	Lead(II) bis(methanesulfonate)	17570-76-2	2012/06/18
84	Diboron trioxide	1303-86-2	2012/06/18
85	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	2012/12/19
86	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	2012/12/19

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NO.	Substance_Name	CAS_Number	Date_of_inclusion
87	6-methoxy-m-toluidine (p-cresidine)	120-71-8	2012/12/19
88	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	2012/12/19
89	Pentalead tetraoxide sulphate	12065-90-6	2012/12/19
90	Silicic acid, lead salt	11120-22-2	2012/12/19
91	4,4'-oxydianiline and its salts	101-80-4	2012/12/19
92	1-bromopropane (n-propyl bromide)	106-94-5	2012/12/19
93	Furan	110-00-9	2012/12/19
94	Lead bis(tetrafluoroborate)	13814-96-5	2012/12/19
95	Diethyl sulphate	64-67-5	2012/12/19
96	N-pentyl-isopentylphthalate	776297-69-9	2012/12/19
97	o-aminoazotoluene	97-56-3	2012/12/19
98	Lead cyanamidate	20837-86-9	2012/12/19
99	Tetralead trioxide sulphate	12202-17-4	2012/12/19
100	o-Toluidine	95-53-4	2012/12/19
101	Dioxobis(stearato)trilead	12578-12-0	2012/12/19
102	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	68784-75-8	2012/12/19
103	4,4'-methylenedi-o-toluidine	838-88-0	2012/12/19
104	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	2012/12/19
105	N,N-dimethylformamide	68-12-2	2012/12/19
106	4-Aminoazobenzene	60-09-3	2012/12/19
107	N-methylacetamide	79-16-3	2012/12/19
108	Heptacosafuorotetradecanoic acid	376-06-7	2012/12/19
109	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	2012/12/19
110	Pentacosafuorotridecanoic acid	72629-94-8	2012/12/19
111	Tetraethyllead	78-00-2	2012/12/19
112	Trilead dioxide phosphonate	12141-20-7	2012/12/19
113	Lead monoxide (lead oxide)	1317-36-8	2012/12/19
114	Acetic acid, lead salt, basic	51404-69-4	2012/12/19
115	Dibutyltin dichloride (DBTC)	683-18-1	2012/12/19
116	Lead dinitrate	10099-74-8	2012/12/19
117	Methoxyacetic acid	625-45-6	2012/12/19
118	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	2012/12/19
119	Pyrochlore, antimony lead yellow	8012-00-8	2012/12/19
120	Lead titanium trioxide	12060-00-3	2012/12/19
121	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	2012/12/19
122	Methyloxirane (Propylene oxide)	75-56-9	2012/12/19
123	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	2012/12/19
124	Fatty acids, C16-18, lead salts	91031-62-8	2012/12/19
125	Dimethyl sulphate	77-78-1	2012/12/19

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NO.	Substance_Name	CAS_Number	Date_of_inclusion
126	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
127	Biphenyl-4-ylamine	92-67-1	2012/12/19
128	1,2-Diethoxyethane	629-14-1	2012/12/19
129	Sulfurous acid, lead salt, dibasic	62229-08-7	2012/12/19
130	[Phthalato(2-)]dioxotrilead	69011-06-9	2012/12/19
131	Tricosafuorododecanoic acid	307-55-1	2012/12/19
132	Lead oxide sulfate	12036-76-9	2012/12/19
133	Diisopentylphthalate	605-50-5	2012/12/19
134	Orange lead (lead tetroxide)	1314-41-6	2012/12/19
135	Lead titanium zirconium oxide	12626-81-2	2012/12/19
136	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	2012/12/19
137	Henicosafuoroundecanoic acid	2058-94-8	2012/12/19
138	Trilead bis(carbonate)dihydroxide	1319-46-6	2012/12/19
139	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	2013/06/20
140	Cadmium oxide	1306-19-0	2013/06/20
141	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]	-	2013/06/20
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	2013/06/20
143	Dipentyl phthalate (DPP)	131-18-0	2013/06/20
144	Cadmium	7440-43-9	2013/06/20
145	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	2013/12/16
146	Trixylyl phosphate	25155-23-1	2013/12/16
147	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	2013/12/16
148	Cadmium sulphide	1306-23-6	2013/12/16
149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	2013/12/16
150	Lead di(acetate)	301-04-2	2013/12/16
151	Dihexyl phthalate	84-75-3	2013/12/16
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	2014/06/16
153	Cadmium chloride	10108-64-2	2014/06/16
154	Sodium peroxometaborate	7632-04-4	2014/06/16
155	Sodium perborate; perboric acid, sodium salt	-	2014/06/16
156	Cadmium sulphate	10124-36-4"31119-53-6	2014/12/17
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	2014/12/17

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NO.	Substance_Name	CAS_Number	Date_of_inclusion
158	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	2014/12/17
159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	2014/12/17
160	Cadmium fluoride	7790-79-6	2014/12/17
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 MOTE)	-	2014/12/17
162	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)	68515-51-5	2016/06/15
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 stereoisomers of [1] and [2] or any combination thereof]	-	2016/06/15
164	Perfluorononan-1-oic-acid and its sodium and ammonium salts Ammonium salts of perfluorononan-1-oic-acid Perfluorononan-1-oic-acid Sodium salts of perfluorononan-1-oic-acid	4149-60-4 375-95-1 21049-39-8	2015/12/17
165	Nitrobenzene	98-95-3	2015/12/17
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	2015/12/17
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	2015/12/17
168	1,3-propanesultone	1120-71-4	2015/12/17