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Excelsys Technologies Ltd Declaration of Conformity REACH 161

Models covered under this declaration

Product Name: Xsolo Series
Product Type: Component Power Supply

Model Numbering System:

Xab-cdefgh where:

a = S or any other alpha character to denote market (S = standard)

b = 1000 or 500
1000 = 1008W output;
500 = 504W output)

c = 24, 36 or 48 (denoting nominal output voltage)

d = N; P or any alphanumeric character used to denote output voltage
N = Nominal output voltage;
P = Pre-set output voltage)

e = '-'; C; R or S where:
'-' = standard model;
C = Conformally Coated;
R = Ruggedized;
S = C + R

f = Any alphanumeric character describing customer internal wiring lengths. Where no internal wiring exists and Screw Terminal Barrier Block only is used, f = 0.

g = 00; 01; 02; 03; 04; 05; 06; 07; 08; 09; 10 or 11, where:
00 = no options
01 = I2C/PMBus
02 = OR-Ing function
03 = 1 + 2
04 = Low leakage
05 = 1 + 4
06 = 2 + 4
07 = 1 + 2 + 4
08 = Industrial grade Y-capacitors
09 = 1 + 8

10 = 2 + 8
11 = 1 + 2 + 8

h = Optional. Any alphanumeric character (for logistic use only).

REACH:

Excelsys Technologies LTD confirms that none of its products or packaging contain any of the 161 Substances of Very High Concern (SVHC) on the REACH Candidate List, shown below, in a concentration above the 0.1% by weight allowable limit:

Substances	CAS-No.	Calculated concentration of CS I (assuming the worst-case)	Calculated concentration of CS II (assuming the worst-case)
Ammonium dichromate	7789-09-5	<0.1%	<0.1%
Boric acid	10043-35-3 11113-50-1	**0.91%**	<0.1%
Lead chromate	7758-97-6	<0.1%	<0.1%
Sodium chromate	7775-11-3 10588-01-09	<0.1%	<0.1%
C.I. Pigment Red 104	12656-85-8	<0.1%	<0.1%
C.I. Pigment Yellow 34	1344-37-2	<0.1%	<0.1%
Potassium chromate	7789-00-6	<0.1%	<0.1%
Potassium dichromate	7778-50-9	<0.1%	<0.1%
Sodium dichromate	7789-12-0 10588-01-9	<0.1%	<0.1%
Dichromium tris(chromate)	24613-89-6	<0.1%	<0.1%
Acids generated from Chromium trioxide	Chromic acid	7738-94-5	<0.1%	<0.1%
Dichromic acid	13530-68-2	<0.1%	<0.1%
Oligomers of chromic acid and dichromic acid	--	<0.1%	<0.1%
Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	**0.28%**	<0.1%
Tetraboron disodium heptaoxide, hydrate	12267-73-1	**0.53%**	<0.1%
Lead hydrogen arsenate	7784-40-9	<0.1%	<0.1%
Diarsenic pentaoxide	1303-28-2	<0.1%	<0.1%
Diarsenic trioxide	1327-53-3	<0.1%	<0.1%
Triethyl arsenate	15606-95-8	<0.1%	<0.1%
Calcium arsenate	7778-44-1	<0.1%	<0.1%
Arsenic acid	7778-39-4	<0.1%	<0.1%
Trilead diarsenate	3687-31-8	<0.1%	<0.1%
Lead dipicrate	6477-64-1	<0.1%	<0.1%
Cobalt dichloride	7646-79-9	<0.1%	<0.1%
Cobalt(II)sulphate	10124-43-3	<0.1%	<0.1%
Cobalt(II)dinitrate	10141-05-6	<0.1%	<0.1%
Cobalt(II)carbonate	513-79-1	<0.1%	<0.1%
Cobalt(II)diacetate	71-48-7	<0.1%	<0.1%
Chromium trioxide	1333-82-0	<0.1%	<0.1%
Strontium chromate	7789-06-2	<0.1%	<0.1%
Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	<0.1%	<0.1%
Pentazinc chromate octahydroxide	49663-84-5	<0.1%	<0.1%
Lead azide, Lead diazide	13424-46-9	<0.1%	<0.1%
Lead styphnate	15245-44-0	<0.1%	<0.1%
Diboron trioxide	1303-86-2	**0.52%**	<0.1%
Lead(II) bis(methanesulfonate)	17570-76-2	<0.1%	<0.1%
Fatty acids, C16-18, lead salts	91031-62-8	<0.1%	<0.1%
Acetic acid, lead salt, basic	51404-69-4	<0.1%	<0.1%
Trilead bis(carbonate)dihydroxide	1319-46-6	<0.1%	<0.1%
Lead oxide sulfate	12036-76-9	<0.1%	<0.1%
[Phthalato(2-)]dioxotrilead	69011-06-9	<0.1%	<0.1%
Dioxobis(stearato)trilead	12578-12-0	<0.1%	<0.1%
Lead bis(tetrafluoroborate)	13814-96-5	<0.1%	<0.1%
Lead cyanamidate	20837-86-9	<0.1%	<0.1%

Lead dinitrate	10099-74-8	<0.1%	<0.1%
Lead monoxide (lead oxide)	1317-36-8	<0.1%	<0.1%
Orange lead (lead tetroxide)	1314-41-6	<0.1%	<0.1%
Lead titanium trioxide	12060-00-3	<0.1%	<0.1%
Lead titanium zirconium oxide	12626-81-2	<0.1%	<0.1%
Pentalead tetraoxide sulphate	12065-90-6	<0.1%	<0.1%
Pyrochlore, antimony lead yellow	8012-00-8	<0.1%	<0.1%
Silicic acid (H2Si2O5), barium salt (1:1), lead-doped	68784-75-8	<0.1%	<0.1%
Silicic acid, lead salt	11120-22-2	<0.1%	<0.1%
Sulfurous acid, lead salt, dibasic	62229-08-7	<0.1%	<0.1%
Tetraethyllead	78-00-2	<0.1%	<0.1%
Tetralead trioxide sulphate	12202-17-4	<0.1%	<0.1%
Trilead dioxide phosphonate	12141-20-7	<0.1%	<0.1%
Cadmium oxide	1306-19-0	<0.1%	<0.1%
Cadmium	7440-43-9	<0.1%	<0.1%
Cadmium sulphide	1306-23-6	<0.1%	<0.1%
Lead diacetate	301-04-2	<0.1%	<0.1%
Sodium perborate; perboric acid, sodium salt	--	0.43%	<0.1%
Sodium peroxometaborate	7632-04-4	0.43%	<0.1%
Cadmium chloride	10108-64-2	<0.1%	<0.1%
Cadmium fluoride	7790-79-6	<0.1%	<0.1%
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)	-	<0.1%	>0.1%
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	<0.1%	>0.1%
Cadmium sulphate	10124-36-4 31119-53-6	<0.1%	<0.1%

Boric acid	10043-35-3 11113-50-1	**0.86%**
Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	**0.27%**
Tetraboron disodium heptaoxide, hydrate	12267-73-1	**0.50%**
Diboron trioxide	1303-86-2	**0.49%**
Sodium perborate; perboric acid, sodium salt	--	**0.41%**
Sodium peroxometaborate	7632-04-4	**0.41%**
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)	-	**>0.1%**
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	**>0.1%**

Parameter	**LOQ**	**CAS-No.**	**CS I**
Diisobutylphthalate (DIBP)	0.05%	84-69-5	n.d.
Dibutylphthalate (DBP)	0.05%	84-74-2	n.d.
Benzylbutylphthalate (BBP)	0.05%	85-68-7	n.d.
Bis(2-ethylhexyl)phthalate (DEHP)	0.05%	117-81-7	n.d.
1,2-Benzenedicarboxylic	0.05%	71888-89-6	n.d.

acid, di-C6-8-branched alkyl esters, C7-rich (corresponds to di-iso-heptylphthalate (DIHP))			
Bis(2-methoxyethyl)phthalate (DMEP)	0.05%	117-82-8	n.d.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (Dipentylphthalates) ***(Analytically determined via the concentration of N-pentyl-isopentylphthalate, Diisopentylphthalate and Dipentylphthalate)***	0.05%	84777-06-0	n.d.
N-pentyl-isopentylphthalate	0.05%	776297-69-9	n.d.
Diisopentylphthalate	0.05%	605-50-5	n.d.
Dipentylphthalate (DPP)	0.05%	131-18-0	n.d.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) ***(Analytically determined via the concentrations of diheptyl- and diundecylphthalate)***	0.05%	68515-42-4	n.d.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear ***(Analytically determined via the concentrations of diisohexylphthalate and di-n-hexylphthalate)***	0.05%	68515-50-4	n.d.
Di-n-hexylphthalate (DnHP)	0.05%	84-75-3	n.d.

N,N,N',N'-Tetramethyl-4,4'-methylenedianiline (Michler's base)	0.05%	101-61-1	n.d.
4,4'-Bis(dimethylamino)benzophenone (Michler's Ketone)	0.05%	90-94-8	n.d.
α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalin-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)]* ***(Analytically determined via the concentration of Michler's Ketone or Michler's Base)***	6786-83-0	n.d.	
[4-[4,4'-Bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chlorid (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)]* ***(Analytically determined via the concentration of Michler's Ketone or Michler's Base)***	548-62-9	n.d.	
[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-*	2580-56-5	n.d.	

027-5) or Michler's base (EC No. 202-959-2)] ***(Analytically determined via the concentration of Michler's Ketone or Michler's Base)***		
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)]* ***(Analytically determined via the concentration of Michler's Ketone or Michler's Base)***	561-41-1	n.d.

2,4-Dinitrotoluene	0.05%	121-14-2	n.d.
Tris(2-chloroethyl)phosphate (TCEP)	0.05%	115-96-8	n.d.
Trixylyl phosphate	0.05%	25155-23-1	n.d.
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	0.05%	81-15-2	n.d.
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	0.05%	101-14-4	n.d.
o-Anisidine ; 2-Methoxyaniline;	0.05%	90-04-0	n.d.
Tributyl tin oxide (TBTO)	0.05%	56-35-9	n.d.
Dibutyltin dichloride (DBTC)	0.05%	683-18-1	n.d.
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	0.05%	2451-62-9	n.d.
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazin-2,4,6-(1H,3H,5H)-trione (ß -TGIC)	0.05%	59653-74-6	n.d.
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	0.05%	1163-19-5	n.d.
6-methoxy-m-toluidine (p-cresidine)	0.05%	120-71-8	n.d.
Direct Red 28	0.05%	573-58-0	n.d.
Direct Black 38	0.05%	1937-37-7	n.d.
4-Aminoazobenzene	0.05%	60-09-3	n.d.
o-Toluidine	0.05%	95-53-4	n.d.
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	0.05%	95-80-7	n.d.
o-aminoazotoluene	0.05%	97-56-3	n.d.

4,4'-oxydianiline and its salts	0.05%	101-80-4	n.d.
Biphenyl-4-ylamine	0.05%	92-67-1	n.d.
4,4'-methylenedi-o-toluidine	0.05%	838-88-0	n.d.
Short chain chloroparaffins C_{10}-C_{13} (SCCP)	0.05%	85535-84-8	n.d.
Hexabromocyclododecane (HBCDD)	0.05%	25637-99-4 3194-55-6	n.d.
Phenolphthaleine	0.05%	77-09-8	n.d.
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	0.05%	88-85-7	n.d.
Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic	0.05%	25550-51-0 19438-60-9 48122-14-1 57110-29-9	n.d.

anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride			
Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	0.05%	85-42-7 13149-00-3 14166-21-3	n.d.
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	0.05%	140-66-9	n.d.
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (OPEO)	0.05%	--	n.d.
4-Nonylphenol, branched and linear	0.05%	--	n.d.
Henicosafluoroundecanoic acid	0.05%	2058-94-8	n.d.
Pentacosafluorotridecanoic acid	0.05%	72629-94-8	n.d.
Tricosafluorododecanoic acid	0.05%	307-55-1	n.d.
Heptacosafluorotetradecanoic acid	0.05%	376-06-7	n.d.
Methoxyacetic acid	0.05%	625-45-6	n.d.
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	0.05%	123-77-3	n.d.
Bis(2-methoxyethyl) ether	0.05%	111-96-6	n.d.
1,2-Bis(2-methoxyethoxy)ethan (TEGDME; triglyme)	0.05%	112-49-2	n.d.
1,2-Dimethoxyethane Ethylene glycoldimethylether (EGDME)	0.05%	110-71-4	n.d.
Trichloroethen	0.05%	79-01-6	n.d.
Acrylamide	0.05%	79-06-1	n.d.
2-Methoxyethanol	0.05%	109-86-4	n.d.
2-Ethoxyethanol	0.05%	110-80-5	n.d.
1,2,3-Trichloropropane	0.05%	96-18-4	n.d.
1-Methyl-2-pyrrolidone	0.05%	872-50-4	n.d.
Hydrazine	0.05%	302-01-2 7803-57-8	n.d.
2-Ethoxyethyl acetate	0.05%	111-15-9	n.d.
N,N-dimethylacetamide (DMAC)	0.05%	127-19-5	n.d.
1,2-Dichloroethane	0.05%	107-06-2	n.d.
Furan	0.05%	110-00-9	n.d.
Diethyl sulphate	0.05%	64-67-5	n.d.
Dimethyl sulphate	0.05%	77-78-1	n.d.
N-methylacetamide	0.05%	79-16-3	n.d.
Methyloxirane (Propylene oxide)	0.05%	75-56-9	n.d.
1,2-Diethoxyethane	0.05%	629-14-1	n.d.
1-bromopropane (n-propyl bromide)	0.05%	106-94-5	n.d.
N,N-dimethylformamide	0.05%	68-12-2	n.d.
Formamide	0.05%	75-12-7	n.d.
4-Nonylphenolethoxylate, branched and linear (NPEO)	0.05%	--	n.d.
Imidazolidine-2-thione	0.05%	96-45-7	n.d.

2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	0.05%	3846-71-7	n.d.
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	0.05%	25973-55-1	n.d.
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]	0.05%	-	n.d.

Conclusion:

The item is free of hazardous substances listed in the SVHC candidate list of the REACH-regulation in a concentration greater than 0.1%. There are no obligations according to article 33 of the REACH-regulation.