



**Tellurian[®]
Technologies, Inc.**

1801 Hicks Rd. Suite A Rolling Meadows, IL 60008
PH: 847-934-4141 FAX: 847-934-4175
www.telluriantech.com

R.E.A.C.H. Certificate

Tellurian Technologies, Inc. certifies that to its knowledge of frequency controlled products designated by Tellurian Technologies, Inc. to be "R.E.A.C.H. Compliant" conform to the requirements of the European Union's Registration, Evaluation, Authorization and restriction of CHemicals ("R.E.A.C.H.") Directive 199/45/E. Tellurian Technologies, Inc. terms "R.E.A.C.H. Complaint" meaning frequency controlled products that are compatible with the current R.E.A.C.H. requirements for all substances listed here within. This status is based on Tellurian Technologies, Inc. understanding of R.E.A.C.H. and knowledge of the material that is placed into its products as of the date of disclosure of the R.E.A.C.H. information. Tellurian Technologies, Inc. certifies that none of its current products carry the following substances indicated below:

Substance Name	EC Number	CAS Number	Date of Inclusion	Decision number
1 Lead hydrogen arsenate	232-064-2	7784-40-9	10/28/2008	ED/67/2008
2 Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	10/28/2008	ED/67/2008
3 Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	10/28/2008	ED/67/2008
4 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	10/28/2008	ED/67/2008
5 Diarsenic trioxide	215-481-4	1327-53-3	10/28/2008	ED/67/2008
6 Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	10/28/2008	ED/67/2008
7 Triethyl arsenate	427-700-2	15606-95-8	10/28/2008	ED/67/2008
8 Diarsenic pentaoxide	215-116-9	1303-28-2	10/28/2008	ED/67/2008
9 Sodium dichromate	234-190-3	7789-12-0, 10588-01-9	10/28/2008	ED/67/2008
10 Dibutyl phthalate (DBP)	201-557-4	84-74-2	10/28/2008	ED/67/2008
11 4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	10/28/2008	ED/67/2008
12 Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	10/28/2008	ED/67/2008
13 Anthracene	204-371-1	120-12-7	10/28/2008	ED/67/2008

Substance Name	EC Number	CAS Number	Date of Inclusion	Decision number
14 Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4 and 221-695-9	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	10/28/2008	ED/67/2008
15 Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	1/13/2010	ED/68/2009
16 Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	1/13/2010	ED/68/2009
17 Anthracene oil	292-602-7	90640-80-5	1/13/2010	ED/68/2009
18 2,4-Dinitrotoluene	204-450-0	121-14-2	1/13/2010	ED/68/2009
19 Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	1/13/2010	ED/68/2009
20 Anthracene oil, anthracene-low	292-604-8	90640-82-7	1/13/2010	ED/68/2009
21 Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	1/13/2010	ED/68/2009
22 Diisobutyl phthalate	201-553-2	84-69-5	1/13/2010	ED/68/2009
23 Lead chromate	231-846-0	7758-97-6	1/13/2010	ED/68/2009
24 Anthracene oil, anthracene paste	292-603-2	90640-81-6	1/13/2010	ED/68/2009
25 Pitch, coal tar, high temp.	266-028-2	65996-93-2	1/13/2010	ED/68/2009
26 Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	1/13/2010	ED/68/2009
27 Acrylamide	201-173-7	79-06-1	3/30/2010	ED/68/2009
28 Trichloroethylene	201-167-4	79-01-6	6/18/2010	ED/30/2010
29 Potassium dichromate	231-906-6	7778-50-9	6/18/2010	ED/30/2010
30 Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	6/18/2010	ED/30/2010
31 Ammonium dichromate	232-143-1	2151163	6/18/2010	ED/30/2010
32 Boric acid	233-139-2, 234-343-4	10043-35-3, 11113-50-1	6/18/2010	ED/30/2010
33 Sodium chromate	231-889-5	2146108	6/18/2010	ED/30/2010
34 Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-	6/18/2010	ED/30/2010
35 Potassium chromate	232-140-5	7789-00-6	6/18/2010	ED/30/2010
36 Cobalt(II) diacetate	200-755-8	71-48-7	12/15/2010	ED/95/2010
37 Cobalt(II) sulphate	233-334-2	10124-43-3	12/15/2010	ED/95/2010
38 2-Ethoxyethanol	203-804-1	110-80-5	12/15/2010	ED/95/2010

	Substance Name	EC Number	CAS Number	Date of Inclusion	Decision number
39	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	12/15/2010	ED/95/2010
40	2-Methoxyethanol	203-713-7	109-86-4	12/15/2010	ED/95/2010
41	Chromium trioxide	215-607-8	1333-82-0	12/15/2010	ED/95/2010
42	Cobalt(II) carbonate	208-169-4	513-79-1	12/15/2010	ED/95/2010
43	Cobalt(II) dinitrate	233-402-1	10141-05-6	12/15/2010	ED/95/2010
44	Cobalt dichloride	231-589-4	7646-79-9	6/20/2011; 10/28/2008	ED/31/2011; ED/67/2008
45	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	6/20/2011	ED/31/2011
46	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	6/20/2011	ED/31/2011
47	Strontium chromate	232-142-6	2151068	6/20/2011	ED/31/2011
48	1-Methyl-2-pyrrolidone	212-828-1	872-50-4	6/20/2011	ED/31/2011
49	1,2,3-Trichloropropane	202-486-1	96-18-4	6/20/2011	ED/31/2011
50	2-Ethoxyethyl acetate	203-839-2	111-15-9	6/20/2011	ED/31/2011
51	Hydrazine	206-114-9	302-01-2, 7803-57-8	6/20/2011	ED/31/2011
52	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	12/19/2011	ED/77/2011
53	N,N-dimethylacetamide	204-826-4	127-19-5	12/19/2011	ED/77/2011
54	Phenolphthalein	201-004-7	77-09-8	12/19/2011	ED/77/2011
55	Lead diazide, Lead azide	236-542-1	13424-46-9	12/19/2011	ED/77/2011
56	Lead dipicrate	229-335-2	6477-64-1	12/19/2011	ED/77/2011
57	1,2-dichloroethane	203-458-1	107-06-2	12/19/2011	ED/77/2011
58	Calcium arsenate	231-904-5	7778-44-1	12/19/2011	ED/77/2011
59	Dichromium tris(chromate)	246-356-2	24613-89-6	12/19/2011	ED/77/2011
60	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	12/19/2011	ED/77/2011
61	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	12/19/2011	ED/77/2011
62	Arsenic acid	231-901-9	7778-39-4	12/19/2011	ED/77/2011
63	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	12/19/2011	ED/77/2011

	Substance Name	EC Number	CAS Number	Date of Inclusion	Decision number
64	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	12/19/2011	ED/77/2011
65	Lead styphnate	239-290-0	15245-44-0	12/19/2011	ED/77/2011
66	Trilead diarsenate	222-979-5	3687-31-8	12/19/2011	ED/77/2011
67	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 ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight	N/A	N/A	12/19/2011	ED/77/2011; ED/95/2012
68	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	12/19/2011	ED/77/2011
69	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 ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight	N/A	N/A	12/19/2011	ED/77/2011;E D/95/2012
70	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	12/19/2011	ED/77/2011
71	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	12/19/2011	ED/77/2011
72	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	6/18/2012	ED/87/2012
73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	6/18/2012	ED/87/2012

	Substance Name	EC Number	CAS Number	Date of Inclusion	Decision number
74	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	6/18/2012	ED/87/2012
75	Diboron trioxide	215-125-8	1303-86-2	6/18/2012	ED/87/2012
76	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	6/18/2012	ED/87/2012
77	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	6/18/2012	ED/87/2012
78	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	6/18/2012	ED/87/2012
79	Formamide	200-842-0	75-12-7	6/18/2012	ED/87/2012
80	[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	6/18/2012	ED/87/2012
81	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	6/18/2012	ED/87/2012
82	[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	6/18/2012	ED/87/2012
83	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	6/18/2012	ED/87/2012
84	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	6/18/2012	ED/87/2012
85	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	12/19/2012	ED/169/2012
86	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	12/19/2012	ED/169/2012
87	Henicosaflluoroundecanoic acid	218-165-4	2058-94-8	12/19/2012	ED/169/2012
88	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	12/19/2012	ED/169/2012

Substance Name	EC Number	CAS Number	Date of Inclusion	Decision number
89 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	12/19/2012	ED/169/2012
90 Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	12/19/2012	ED/169/2012
91 Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	12/19/2012	ED/169/2012
92 Lead dinitrate	233-245-9	10099-74-8	12/19/2012	ED/169/2012
93 Silicic acid, lead salt	234-363-3	11120-22-2	12/19/2012	ED/169/2012
94 4-Aminoazobenzene	200-453-6	60-09-3	12/19/2012	ED/169/2012
95 Lead titanium zirconium oxide	235-727-4	12626-81-2	12/19/2012	ED/169/2012
96 Lead monoxide (lead oxide)	215-267-0	1317-36-8	12/19/2012	ED/169/2012
97 o-Toluidine	202-429-0	95-53-4	12/19/2012	ED/169/2012
98 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	12/19/2012	ED/169/2012
99 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	12/19/2012	ED/169/2012
100 Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6	12/19/2012	ED/169/2012
101 Furan	203-727-3	110-00-9	12/19/2012	ED/169/2012
102 N,N-dimethylformamide	200-679-5	68-12-2	12/19/2012	ED/169/2012
103 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	N/A	N/A	12/19/2012	ED/169/2012
104 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]	N/A	N/A	12/19/2012	ED/169/2012
105 4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	12/19/2012	ED/169/2012
106 Diethyl sulphate	200-589-6	64-67-5	12/19/2012	ED/169/2012

Substance Name	EC Number	CAS Number	Date of Inclusion	Decision number
107 Dimethyl sulphate	201-058-1	77-78-1	12/19/2012	ED/169/2012
108 Lead oxide sulfate	234-853-7	12036-76-9	12/19/2012	ED/169/2012
109 Lead titanium trioxide	235-038-9	12060-00-3	12/19/2012	ED/169/2012
110 Acetic acid, lead salt, basic	257-175-3	51404-69-4	12/19/2012	ED/169/2012
111 [Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	12/19/2012	ED/169/2012
112 Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	12/19/2012	ED/169/2012
113 N-methylacetamide	201-182-6	79-16-3	12/19/2012	ED/169/2012
114 Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	12/19/2012	ED/169/2012
115 1,2-Diethoxyethane	211-076-1	629-14-1	12/19/2012	ED/169/2012
116 Tetralead trioxide sulphate	235-380-9	12202-17-4	12/19/2012	ED/169/2012
117 N-pentyl-isopentylphthalate	N/A	776297-69-9	12/19/2012	ED/169/2012
118 Dioxobis(stearato)trilead	235-702-8	12578-12-0	12/19/2012	ED/169/2012
119 Tetraethyllead	201-075-4	78-00-2	12/19/2012	ED/169/2012
120 Pentalead tetraoxide sulphate	235-067-7	12065-90-6	12/19/2012	ED/169/2012
121 Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	12/19/2012	ED/169/2012
122 Tricosafuorododecanoic acid	206-203-2	307-55-1	12/19/2012	ED/169/2012
123 Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	12/19/2012	ED/169/2012
124 1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	12/19/2012	ED/169/2012
125 Methoxyacetic acid	210-894-6	625-45-6	12/19/2012	ED/169/2012
126 4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	12/19/2012	ED/169/2012
127 Methyloxirane (Propylene oxide)	200-879-2	75-56-9	12/19/2012	ED/169/2012
128 Trilead dioxide phosphonate	235-252-2	12141-20-7	12/19/2012	ED/169/2012
129 o-aminoazotoluene	202-591-2	97-56-3	12/19/2012	ED/169/2012
130 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	12/19/2012	ED/169/2012
131 4,4'-oxydianiline and its salts	202-977-0	101-80-4	12/19/2012	ED/169/2012
132 Orange lead (lead tetroxide)	215-235-6	1314-41-6	12/19/2012	ED/169/2012
133 Biphenyl-4-ylamine	202-177-1	92-67-1	12/19/2012	ED/169/2012

Substance Name	EC Number	CAS Number	Date of Inclusion	Decision number
134 Diisopentylphthalate	210-088-4	605-50-5	12/19/2012	ED/169/2012
135 Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	12/19/2012	ED/169/2012
136 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	12/19/2012	ED/169/2012
137 Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	12/19/2012	ED/169/2012
138 Lead cyanamidate	244-073-9	20837-86-9	12/19/2012	ED/169/2012
139 Imidazolidine-2-thione; (2-imidazoline-2-thiol)	202-506-9	96-45-7	12/16/2013	ED/121/2013
140 Dihexyl phthalate	201-559-5	84-75-3	12/16/2013	ED/121/2013
141 Cadmium sulphide	215-147-8	1306-23-6	12/16/2013	ED/121/2013
142 Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	12/16/2013	ED/121/2013
143 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	12/16/2013	ED/121/2013
144 Trixylyl phosphate	246-677-8	25155-23-1	12/16/2013	ED/121/2013
145 Lead di(acetate)	206-104-4	301-04-2	12/16/2013	ED/121/2013
146 Dipentyl phthalate (DPP)	205-017-9	131-18-0	6/20/2013	ED/69/2013
147 Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	6/20/2013	ED/69/2013
148 Cadmium oxide	215-146-2	1306-19-0	6/20/2013	ED/69/2013
149 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]	-	-	6/20/2013	ED/69/2013
150 Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	6/20/2013	ED/69/2013
151 Cadmium	231-152-8	7440-43-9	6/20/2013	ED/69/2013

	Substance Name	EC Number	CAS Number	Date of Inclusion	Decision number
152	Cadmium Chloride	233-296-7	10108-64-2	6/16/2014	ED/49/2014
153	Sodium peroxometaborate	231-556-4	7632-4-4	6/16/2014	ED/49/2014
154	Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	----	6/16/2014	ED/49/2014
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-50	68515-50-4	6/16/2014	ED/49/2014

Name: William Deutschmann



Title: President

*Important Information and Disclaimer: Information provided by Tellurian Technologies, Inc. on its website or in other communications concerning the substance content of its product represents Tellurian Technologies, Inc. knowledge and belief as of the date that it is provided. Tellurian Technologies, Inc. bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy of such information. Efforts are underway to better integrate the information from third parties. Tellurian Technologies, Inc. has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. Tellurian Technologies, Inc. and Tellurian Technologies, Inc. suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release. In no event shall Tellurian Technologies, Inc. liability arising out of such information exceed the total purchase price of the Tellurian Technologies, Inc. part(s) at issue sold by Tellurian Technologies, Inc. to customer on an annual basis