



REACH SVHC Survey Summary

保管單位 Storage	GERM
保存年限 Retention Period	五年 5 years

Product description:	TFT-LCD Module	Model name:	G104XVN01.0	
AUO Part No.:	97.10G05.000	Product weight:	290 g	
Substance identification		Exist? (Yes/No)	Description of use	THE WEIGHT OF THE RELATED MATERIAL (using the SVHC)
Substance name	(CAS No)			
1.Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	No	-	-
2.Cadmium fluoride	7790-79-6	No	-	-
3.2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	No	-	-
4.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-	-	No	-	-
5.Cadmium sulphate	10124-36-4 ; 31119-53-6	No	-	-
6.2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	No	-	-
7.2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	Yes	Polarizer_TAC	119.340 mg
8.Sodium peroxometaborate	7632-04-4	No	-	-
9.1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	68515-50-4	No	-	-
10.Cadmium chloride	10108-64-2	No	-	-
11.Sodium perborate,perboric acid, sodium salt	15120-21-5	No	-	-
12.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	No	-	-
13.Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	No	-	-
14.Dihexyl phthalate	84-75-3	No	-	-
15.Trixylyl phosphate	25155-23-1	No	-	-
16.Cadmium sulphide	1306-23-6	No	-	-
17.Lead di(acetate)	301-04-2	No	-	-
18.Disodium 3,3'-[[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	No	-	-
19.Cadmium oxide	1306-19-0	No	-	-
20.4-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	-	No	-	-
21.Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	No	-	-
22.Dipentyl phthalate (DPP)	131-18-0	No	-	-
23.Pentadecafluorooctanoic acid	335-67-1	No	-	-
24.Cadmium	7440-43-9	No	-	-
25.Henicosfluoroundecanoic acid	2058-94-8	No	-	-
26.Lead dinitrate	10099-74-8	No	-	-



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27.Sulfurous acid, lead salt, dibasic	62229-08-7	No	-	-
28.Fatty acids, C16-18, lead salts	91031-62-8	No	-	-
29.4,4'-oxydianiline and its salts	101-80-4	No	-	-
30.Lead oxide sulfate	12036-76-9	No	-	-
31.Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. IA (CLP) or category I (DSD),the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation	68784-75-8	No	-	-
32.Trilead bis(carbonate) dihydroxide	1319-46-6	No	-	-
33.Tricosafuorododecanoic acid	307-55-1	No	-	-
34.o-aminoazotoluene	97-56-3	No	-	-
35.4-Aminoazobenzene	60-09-3	No	-	-
36.Pentalead tetraoxide sulphate	12065-90-6	No	-	-
37.4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	No	-	-
38.4-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	-	No	-	-
39.Biphenyl-4-ylamine	92-67-1	No	-	-
40.Lead cyanamdate	20837-86-9	No	-	-
41.Lead titanium trioxide	12060-00-3	No	-	-
42.N-pentyl-isopentylphthalate	776297-69-9	No	-	-
43.1-bromopropane (n-propyl	106-94-5	No	-	-
44.Dioxobis(stearato)trilead	12578-12-0	No	-	-
45.Acetic acid, lead salt, basic	51404-69-4	No	-	-
46.Heptacosafuorotetradecanoic acid	376-06-7	No	-	-
47.6-methoxy-m-toluidine (p-	120-71-8	No	-	-
48.Furan	110-00-9	No	-	-
49.1,2-Diethoxyethane	629-14-1	No	-	-
50.Pentacosafuorotridecanoic acid	72629-94-8	No	-	-
51.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-	85-42-7 ; 13149-00-3 ; 14166-21-3	No	-	-
52.Methyloxirane (Propylene oxide)	75-56-9	No	-	-
53.N,N-dimethylformamide	68-12-2	No	-	-
54.4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	No	-	-
55.o-Toluidine	95-53-4	No	-	-
56.Lead titanium zirconium oxide	12626-81-2	No	-	-
57.Silicic acid, lead salt	11120-22-2	No	-	-



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保管單位 Storage	GERM
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58. Trilead dioxide phosphonate	12141-20-7	No	-	-
59. 4,4'-methylenedi-o-toluidine	838-88-0	No	-	-
60. Tetralead trioxide sulphate	12202-17-4	No	-	-
61. Orange lead (lead tetroxide)	1314-41-6	No	-	-
62. [Phthalato(2-)]dioxotrilead	69011-06-9	No	-	-
63. Tetraethyllead	78-00-2	No	-	-
64. 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	25550-51-0 ; 19438-60-9 ; 48122-14-1 ; 57110-29-9	No	-	-
65. Diisopentylphthalate	605-50-5	No	-	-
66. Lead monoxide (lead oxide)	1317-36-8	No	-	-
67. Dimethyl sulphate	77-78-1	No	-	-
68. 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	No	-	-
69. Pyrochlore, antimony lead yellow	8012-00-8	No	-	-
70. Methoxyacetic acid	625-45-6	No	-	-
71. Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	No	-	-
72. Bis(pentabromophenyl) ether (decabromodiphenyl ether)	1163-19-5	No	-	-
73. Dibutyltin dichloride (DBTC)	683-18-1	No	-	-
74. 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	No	-	-
75. N-methylacetamide	79-16-3	No	-	-
76. Lead bis(tetrafluoroborate)	13814-96-5	No	-	-
77. Diethyl sulphate	64-67-5	No	-	-
78. Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	No	-	-
79. 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. 202-027-5)]	6786-83-0	No	-	-
80. 1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	112-49-2	No	-	-
81. 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. 202-027-5)]	561-41-1	No	-	-
82. 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	No	-	-
83. Diboron trioxide	1303-86-2	No	-	-
84. 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	Yes	BARE PCB_SOLDER RESIST	0.021 mg
85. N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	No	-	-
86. 4,4'-bis(dimethylamino)benzophenone	90-94-8	No	-	-



REACH SVHC Survey Summary

保管單位 Storage	GERM
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87.[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)]	2580-56-5	No	-	-
88.1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	110-71-4	No	-	-
89.[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)]	548-62-9	No	-	-
90.Formamide	75-12-7	No	-	-
91.Lead(II) bis(methanesulfonate)	17570-76-2	No	-	-
92.2,2'-dichloro-4,4'-	101-14-4	No	-	-
93.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	-	No	-	-
94.Lead diazide, Lead azide	13424-46-9	No	-	-
95.N,N-dimethylacetamide	127-19-5	No	-	-
96.Lead dipicrate	6477-64-1	No	-	-
97.Formaldehyde, oligomeric reaction products with aniline	25214-70-4	No	-	-
98.Arsenic acid	7778-39-4	No	-	-
99.Bis(2-methoxyethyl) ether	111-96-6	No	-	-
100.Calcium arsenate	7778-44-1	No	-	-
101.2-Methoxyaniline,o-Anisidine	90-04-0	No	-	-
102.Pentazinc chromate	49663-84-5	No	-	-
103.Bis(2-methoxyethyl) phthalate	117-82-8	No	-	-
104.1,2-Dichloroethane	107-06-2	No	-	-
105.4-(1,1,3,3-	140-66-9	No	-	-
106.Lead styphnate	15245-44-0	No	-	-



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保管單位 Storage	GERM
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I07.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 (um) c) alkaline oxide	-	No	-	-
I08.Phenolphthalein	77-09-8	No	-	-
I09.Trilead diarsenate	3687-31-8	No	-	-
I10.Dichromium tris(chromate)	24613-89-6	No	-	-
I11.Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	No	-	-
I12.Cobalt dichloride	7646-79-9	No	-	-
I13.1-Methyl-2-pyrrolidone (NMP)	872-50-4	No	-	-
I14.1,2,3-trichloropropane	96-18-4	No	-	-
I15.1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl	68515-42-4	No	-	-
I16.2-Ethoxyethyl acetate	111-15-9	No	-	-
I17.Hydrazine	302-01-2 ; 7803-57-8	No	-	-
I18.Strontium chromate	7789-06-2	No	-	-
I19.1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	No	-	-
I20.Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and	7738-94-5 ; 13530-68-2	No	-	-
I21.Cobalt(II) diacetate	71-48-7	No	-	-
I22.Chromium trioxide	1333-82-0	No	-	-
I23.2-Methoxyethanol	109-86-4	No	-	-
I24.2-Ethoxyethanol	110-80-5	No	-	-
I25.Cobalt(II) sulphate	10124-43-3	No	-	-
I26.Cobalt(II) dinitrate	10141-05-6	No	-	-
I27.Cobalt(II) carbonate	513-79-1	No	-	-
I28.Boric acid	10043-35-3 ; 11113-50-1	Yes	Polarizer_PVA (The crosslinking agent of PVA)	89.232 mg
I29.Disodium tetraborate, anhydrous	1303-96-4 ; 1330-43-4 ; 12179-04-3	Yes	Polarizer_PVA (The crosslinking agent of PVA)	72.696 mg
I30.Potassium dichromate	7778-50-9	No	-	-
I31.Trichloroethylene	79-01-6	No	-	-
I32.Ammonium dichromate	7789-09-5	No	-	-
I33.Potassium chromate	7789-00-6	No	-	-
I34.Tetraboron disodium heptaoxide, hydrate	12267-73-1	No	-	-
I35.Sodium chromate	7775-11-3	No	-	-



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136.Acrylamide	79-06-1	No	-	-
137.Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	No	-	-
138.Anthracene oil, anthracene paste, distn. lights	91995-17-4	No	-	-
139.Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	No	-	-
140.Tris(2-chloroethyl)phosphate	115-96-8	No	-	-
141.Anthracene oil	90640-80-5	No	-	-
142.Lead chromate	7758-97-6	No	-	-
143.2,4-Dinitrotoluene	121-14-2	No	-	-
144.Diisobutyl phthalate	84-69-5	No	-	-
145.Anthracene oil, anthracene-low	90640-82-7	No	-	-
146.Anthracene oil, anthracene paste	90640-81-6	No	-	-
147.Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	No	-	-
148.Pitch, coal tar, high temp.	65996-93-2	No	-	-
149.Anthracene	120-12-7	No	-	-
150.Diarsenic pentaoxide	1303-28-2	No	-	-
151.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	No	-	-
152.Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	No	-	-
153.Bis(tributyltin) oxide (TBTO)	56-35-9	No	-	-
154.Triethyl arsenate	15606-95-8	No	-	-
155.Benzyl butyl phthalate (BBP)	85-68-7	No	-	-
156.5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	No	-	-
157.Dibutyl phthalate (DBP)	84-74-2	No	-	-
158.Lead hydrogen arsenate	7784-40-9	No	-	-
159.4,4'- Diaminodiphenylmethane (MDA)	101-77-9	No	-	-
160.Sodium dichromate	7789-12-0 ; 10588-01-9	No	-	-
161.Diarsenic trioxide	1327-53-3	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 dibexyl phthalate (EC No. 68515-51-5 ; 68648-93-1)	68515-51-5 ; 68648-93-1	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 stereoisomers of [1] and [2]]	-	No	-	-
164.1,3-propanesultone	1120-71-4			
165.2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-364)	3864-99-1			
166.2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3			
167.Nitrobenzene	98-95-3			
168.Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 ; 21049-39-8 ; 4149-60-4			

Remark:REACH I ~ XIV

Company Name: AU Optonics Corp.



REACH SVHC Survey Summary

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