



REACH SVHC Survey Summary

保管單位 Storage	GERM
保存年限 Retention Period	十年 10 years

Product description:	TFT-LCD Module	Model name:	G156HTN02.0	
AUO Part No.:	97.15G19.000	Product weight:	700 g	
Substance identification		Exist? (Yes/No)	Description of use	THE WEIGHT OF THE RELATED MATERIAL (using the SVHC) unit: mg
Substance name	(CAS No)			
Anthracene	120-12-7	No	-	-
4,4'- Diaminodiphenylmethane (MDA)	101-77-9	No	-	-
Dibutyl phthalate (DBP)	84-74-2	No	-	-
Cobalt dichloride	7646-79-9	No	-	-
Diarsenic pentaoxide	1303-28-2	No	-	-
Diarsenic trioxide	1327-53-3	No	-	-
Sodium dichromate	7789-12-0,10588-01-9	No	-	-
5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene)	81-15-2	No	-	-
Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	No	-	-
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4,3194-55-6,(134237-51-7,134237-50-6,134237-52-8)	No	-	-
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	No	-	-
Bis(tributyltin)oxide	56-35-9	No	-	-
Lead hydrogen arsenate	7784-40-9	No	-	-
Benzyl butyl phthalate (BBP)	85-68-7	No	-	-
Triethyl arsenate	15606-95-8	No	-	-
2,4-Dinitrotoluene	121-14-2	No	-	-
Anthracene oil	90640-80-5	No	-	-
Anthracene oil, anthracene paste,distr. lights	91995-17-4	No	-	-
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	No	-	-
Anthracene oil, anthracene-low	90640-82-7	No	-	-
Anthracene oil, anthracene paste	90640-81-6	No	-	-
Diisobutyl phthalate	84-69-5	No	-	-
Lead chromate	7758-97-6	No	-	-
Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	No	-	-
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	No	-	-
Tris(2-chloroethyl)phosphate	115-96-8	No	-	-
Pitch, coal tar, high temp.	65996-93-2	No	-	-
Acrylamide	29007	No	-	-
Trichloroethylene	28861	No	-	-
Boric acid	10043-35-3,11113-50-1	Yes	Polarizer_PVA	61.361
Disodium tetraborate, anhydrous	1303-96-4,1330-43-4,12179-04-3	No	-	-

Tetraboron disodium heptaoxide,	12267-73-1	No	-	-
Sodium chromate	2146108	No	-	-
Potassium chromate	7789-00-6	No	-	-
Ammonium dichromate	2151163	No	-	-
Potassium dichromate	7778-50-9	No	-	-
Cobalt(II) sulphate	10124-43-3	No	-	-
Cobalt(II) dinitrate	10141-05-6	No	-	-
Cobalt(II) carbonate	513-79-1	No	-	-
Cobalt(II) diacetate	71-48-7	No	-	-
2-Methoxyethanol	109-86-4	No	-	-
2-Ethoxyethanol	110-80-5	No	-	-
Chromium trioxide	1333-82-0	No	-	-
Acids generated from chromium trioxide and their oligomers. Group containing:- Chromic acid - Dichromic acid- Oligomers of chromic acid and dichromic acid	7738-94-5,13530-68-2	No	-	-
2-Ethoxyethyl acetate	111-15-9	No	-	-
Strontium chromate	2151068	No	-	-
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	No	-	-
Hydrazine	302-01-2,7803-57-8	No	-	-
1-Methyl-2-pyrrolidone	872-50-4	No	-	-
1,2,3-Trichloropropane	96-18-4	No	-	-
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	No	-	-
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	-	No	-	-

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	-	No	-	-
Calcium arsenate	7778-44-1	No	-	-
Bis(2-methoxyethyl) ether	111-96-6	No	-	-
Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	No	-	-
Lead dipicrate	6477-64-1	No	-	-
N,N-dimethylacetamide	127-19-5	No	-	-
Arsenic acid	7778-39-4	No	-	-
2-Methoxyaniline; o-Anisidine	90-04-0	No	-	-
Trilead diarsenate	3687-31-8	No	-	-
1,2-dichloroethane	107-06-2	No	-	-
Pentazinc chromate octahydroxide	49663-84-5	No	-	-
Formaldehyde, oligomeric reaction products with aniline	25214-70-4	No	-	-
Bis(2-methoxyethyl) phthalate	117-82-8	No	-	-
4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	No	-	-
Lead diazide, Lead azide	13424-46-9	No	-	-
Phenolphthalein	28376	No	-	-
Dichromium tris(chromate)	24613-89-6	No	-	-
Lead styphnate	15245-44-0	No	-	-
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	No	-	-
Diboron trioxide	1303-86-2	No	-	-
[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)]	548-62-9,603-48-5,14426-25-6	No	-	-
[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	No	-	-

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	No	-	-
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	No	-	-
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	No	-	-
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	No	-	-
Formamide	27735	No	-	-
Lead(II) bis(methanesulfonate)	17570-76-2	No	-	-
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5- triazinane-2,4,6-trione (TGIC)	2451-62-9	No	-	-
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	-	-
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	No	-	-
N,N,N',N'-tetramethyl-4,4'- methylenedianiline (Michler's base)	101-61-1	No	-	-
Bis(pentabromophenyl) ether (decabromodiphenyl ether ; DecaBDE)	1163-19-5	No	-	-
Pentacosafuorotridecanoic acid	72629-94-8	No	-	-
Tricosafuorododecanoic acid	307-55-1	No	-	-
Henicosafuoroundecanoic acid	2058-94-8	No	-	-
Heptacosafuorotetradecanoic acid	376-06-7	No	-	-
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	No	-	-
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]	-	No	-	-
Diazene-1,2-dicarboxamide (C,C'- azodi(formamide))	123-77-3	No	-	-
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	No	-	-

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	No	-	-
Methoxyacetic acid	625-45-6	No	-	-
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	No	-	-
Diisopentylphthalate	605-50-5	No	-	-
N-pentyl-isopentylphthalate	776297-69-9	No	-	-
1,2-Diethoxyethane	629-14-1	No	-	-
N,N-dimethylformamide	25174	No	-	-
Dibutyltin dichloride (DBTC)	683-18-1	No	-	-
Acetic acid, lead salt, basic	51404-69-4	No	-	-
Trilead bis(carbonate)dihydroxide	1319-46-6	No	-	-
Lead oxide sulfate	12036-76-9	No	-	-
[Phthalato(2-)]dioxotrilead	69011-06-9	No	-	-
Dioxobis(stearato)trilead	12578-12-0	No	-	-
Fatty acids, C16-18, lead salts	91031-62-8	No	-	-
Lead cyanamidate	20837-86-9	No	-	-
Lead dinitrate	10099-74-8	No	-	-
Lead monoxide (lead oxide)	1317-36-8	No	-	-
Orange lead (lead tetroxide)	1314-41-6	No	-	-
Pentalead tetraoxide sulphate	12065-90-6	No	-	-
Silicic acid, lead salt	11120-22-2	No	-	-
Sulfurous acid, lead salt, dibasic	62229-08-7	No	-	-
Tetraethyllead	78-00-2	No	-	-
Tetralead trioxide sulphate	12202-17-4	No	-	-
Lead bis(tetrafluoroborate)	13814-96-5	No	-	-
Lead titanium trioxide	12060-00-3	No	-	-
Lead titanium zirconium oxide	12626-81-2	No	-	-
Pyrochlore, antimony lead yellow	8012-00-8	No	-	-
Trilead dioxide phosphonate	12141-20-7	No	-	-
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. 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]	68784-75-8	No	-	-
Furan	110-00-9	No	-	-
Methyloxirane (Propylene oxide)	75-56-9	No	-	-
Diethyl sulphate	64-67-5	No	-	-
Dimethyl sulphate	77-78-1	No	-	-
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	No	-	-
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	No	-	-

4,4'-methylenedi-o-toluidine	838-88-0	No	-	-
4,4'-oxydianiline and its salts	101-80-4	No	-	-
4-Aminoazobenzene	22162	No	-	-
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	No	-	-
6-methoxy-m-toluidine (p-cresidine)	120-71-8	No	-	-
Biphenyl-4-ylamine	92-67-1	No	-	-
o-aminoazotoluene	97-56-3	No	-	-
o-Toluidine	95-53-4	No	-	-
N-methylacetamide	79-16-3	No	-	-
1-bromopropane (n-propyl bromide)	106-94-5	No	-	-
Cadmium	7440-43-9	No	-	-
Cadmium oxide	1306-19-0	No	-	-
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	No	-	-
Pentadecafluorooctanoic acid (PFOA)	335-67-1	No	-	-
Dipentyl phthalate (DPP)	131-18-0	No	-	-
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]	-	No	-	-
Cadmium sulphide	1306-23-6	No	-	-
Dihexyl phthalate	84-75-3	No	-	-
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	No	-	-
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	-	-
Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	No	-	-
Lead di(acetate)	301-04-2	No	-	-
Trixylyl phosphate	25155-23-1	No	-	-
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	No	-	-
Cadmium chloride	10108-64-2	No	-	-
Sodium perborate; perboric acid, sodium salt	-	No	-	-
Sodium peroxometaborate	2093666	No	-	-
Cadmium fluoride	7790-79-6	No	-	-
Cadmium sulphate	10124-36-4, 31119-53-6	No	-	-
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	No	-	-
2-(2H-benzotriazol-2-yl)-4,6-di-tertbutylphenol (UV-328)	25973-55-1	Yes	POLarizer_TAC	24.895



REACH SVHC Survey Summary

保管單位 Storage	GERM
保存年限 Retention Period	十年 10 years

2-ethylhexyl 10-ethyl-4,4-diethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	No	-	-
Reaction mass of 2-ethylhexyl 10-ethyl-4,4-diethyl-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)	-	No		
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5,68648-93-1	No	-	-
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	-	No	-	-
1,3-propanesultone	1120-71-4	No	-	-
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	3864-99-1	No	-	-
Nitrobenzene	36437-37-3	No	-	-
Perfluorononan-1-oic-acid and its sodium and ammonium salts	98-95-3	No	-	-
	375-95-1,21049-39-8,4149-60-4	No	-	-

Remark:

(1) REACH SVHC I~XIV

(2) Boric acid is PVA cross-linking agent which could not be replaced. It is a additive volume, not equal residual.

(3) UV 328 is anti weatherability which is used in polarizer.

Company Name: AU Optonics Corp.

Company Address: 1 Li-Jsin Rd. 2 Hsinchu Science Park, Hsinchu 300, Taiwan, R.O.C

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Date: 2016/7/5