

## Letter Regarding Environmental, Health and Safety Information

Document No. : URT-ECS-17001EN

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Dear Valued Customer and to whom it concerns

This document description the following environmental , health and safety information :

Products Scope : LCD Display Panel , LCD Display Module , Touch Panel

URT have managed our supplier chain by review the raw material and our product structure , to the best of our knowledge , provide the products safety information and fulfill the following regulations .

- A. MSDS ( Material Safety Data Sheets)**
- B. RoHS ( Restriction on Hazardous Substances ) (EU) 2015/863**
- C. SVHC of REACH. ( SVHC : Substance of Very High Concern )**
- D. Halogens**
- E. PFOS ( Perfluorooctane sulfonates) , PFOA ( Perfluorooctanoic acid )**
- F. PAHs ( Polynuclear Aromatic Hydrocarbons )**

### **A. MSDS ( Material Safety Data sheets)**

Those products list in the product scope is an article and is not subject to the Occupational Safety and Health Administration's Hazard Communication Standard ( 29 CFR 1910 1200 (b)(6)(v) ) , but URT prepared the MSDS as a convenience for our customer .

### **B. RoHS ( Restriction on Hazardous Substances )**

EU Directive : 2002/95/EC , 2011/65/EU , (EU) 2015/863

Those products list in the product scope does not contain RoHS substance.

Item	Substance	Contains	Does Not Contain
1	Lead (Pb)		<b>V</b>
2	Mercury (Hg)		<b>V</b>
3	Cadmium (Cd)		<b>V</b>
4	Hexavalent Chromium (Cr <sup>6+</sup> )		<b>V</b>
5	Polybrominated Biphenyls (PBB)		<b>V</b>
6	Polybrominated Diphenyl Ethers (PBDE)		<b>V</b>
7	Bis(2-ethylhexyl) phthalate (DEHP)		<b>V</b>
8	Butyl benzyl phthalate (BBP)		<b>V</b>
9	Dibutyl phthalate (DBP)		<b>V</b>
10	Diisobutyl phthalate (DIBP)		<b>V</b>

Does not contain means : weight/weight < 0.1% , and Cd < 0.01 % .

### C. EU REACH : SVHC ( Substance of Very High Concern )

SVHC are defined in article 59 of Regulation (EC) NO 1997/2006 ( REACH regulation )

Those products list in the product scope does not contain at or above 0.1% weight/weight of SVHC.

The listed substance (SVHC) are not intentionally added to those products and/or all material were not detected at or above a concentration level of detection when tested by an independent third party laboratory .

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

URT promises to check and update our material and products as the SVHC changed ASAP.

### D. Halogens :

Those products list in the product scope does not contain Halogens substance .

Non-halogenated permissible limited ( IEC 61249-2-21 : 2003-11)

Substance	Permissible limit
Bromine ( Br )	$\leq$ 900 ppm ( 0.09 %)
Chlorine ( Cl )	$\leq$ 900 ppm ( 0.09 %)
Total concentration of Br and Cl	$\leq$ 1500 ppm ( 0.15 %)

### E. PFOS ( Perfluorooctane sulfonates), PFOA ( Perfluorooctanoic acid )

Those products list in the product scope does not contain PFOS, PFOA

PFOS, PFOA are not used in URT , and are not intentionally added to those products.

All material were not detected when tested by an independent third party laboratory .

### F. PAHs ( Polynuclear Aromatic Hydrocarbons )

Those products list in the product scope does not contain PAHs

PAHs are not used in URT , and are not intentionally added to those products.

All material were not detected when tested by an independent third party laboratory .

Best Regards  
United Radiant Technology Corporation

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親愛的客戶及使用者

光聯科技股份有限公司(光聯科技)產品不含有物質保證

本文包含以下資訊及產品中未包含相關環保及健康安全法令要求物質之說明如下:

產品範圍: 液晶顯示面板, 模組及觸控面板(LCD Display Panel, LCD Display Module, Touch Panel)

光聯科技經由供應鏈管理, 審查供應商材料之資料及本身產品組成結構, 提供產品安全資訊及確保我們的產品符合相關之法令法規

- A. MSDS( Material Safety Data Sheets, 材料物質安全資料表)
- B. RoHS ( Restriction on Hazardous Substances ) (EU) 2015/863
- C. SVHC (Substance of Very High Concern, 高關注物質) of REACH
- D. Halogens (鹵素)
- E. PFOS ( Perfluorooctane sulfonates , 全氟辛烷磺酸)  
PFOA ( Perfluorooctanoic acid , 全氟辛酸)
- F. PAHs ( Polynuclear Aromatic Hydrocarbons , 多環芳烴)

#### A. MSDS(Material Safety Data Sheets,材料物質安全資料表)

本文中產品範圍所列之產品皆為成品(Article), 並不適用在職業安全衛生管理組織中定義之危害溝通標準 (29 CFR 1910 1200 (b)(6)(v)). 但是光聯科技仍然為了客戶使用上之習慣及方便, 製定了MSDS 以供客戶參考.

#### B. RoHS ( Restriction on Hazardous Substances )

歐盟指令: 2002/95/EC, 2011/65/EU, (EU) 2015/863

本文中產品範圍所列之產品, 皆不包含 RoHS 物質.

Item	Substance 物質	Contains 包含	Does Not Contain 不包含
1	Lead (Pb) [鉛]		V
2	Mercury (Hg) [汞]		V
3	Cadmium (Cd) [鎘]		V
4	Hexavalent Chromium (Cr <sup>6+</sup> ) [六價鉻]		V
5	Polybrominated Biphenyls (PBB)		V
6	Polybrominated Diphenyl Ethers (PBDE)		V
7	Bis(2-ethylhexyl) phthalate (DEHP)		V
8	Butyl benzyl phthalate (BBP)		V
9	Dibutyl phthalate (DBP)		V
10	Diisobutyl phthalate (DIBP)		V

不包含的定義為: 重量比 < 0.1%, 其中 Cd 重量比 < 0.01%

C. 歐盟 REACH : SVHC (Substance of Very High Concern,高關注物質)

SVHC高關注物質規定於 REACH 指令 (EC) 1997/2006 中之 article 59

本文中產品範圍所列之產品, 皆不包含SVHC(高關注物質)超過 0.1% 重量比,

SVHC(高關注物質)皆不曾被主動加入產品製程中, 且原材料產品組成經第 3方公正試驗室測試也沒有超過規定的 0.1% 重量比.

最新的 SVHC 連結: <http://echa.europa.eu/web/guest/candidate-list-table>

光聯科技承諾會持續注意 SVHC的更新, 並依據最新的SVHC來審查及測試我們的材料及產品.

D. Halogens 鹵素系列

本文中產品範圍所列之產品, 皆不包含鹵素系列物質.

無鹵標準參照: (IEC 61249-2-21 : 2003-11)

Substance 物質	Permissible limit 允許標準
Bromine ( Br )	≤ 900 ppm ( 0.09 % )
Chlorine ( Cl )	≤ 900 ppm ( 0.09 % )
Total concentration of Br and Cl	≤ 1500 ppm ( 0.15 % )

E. PFOS ( Perfluorooctane sulfonates , 全氟辛烷磺酸), PFOA ( Perfluorooctanoic acid , 全氟辛酸)

本文中產品範圍所列之產品, 皆不包含 PFOS, PFOA.

光聯科技沒有使用 PFOA, PFOS, 也不曾將PFOS, PFOA加入產品製程中.

且原材料產品組成經第 3方公正試驗室測試, 並沒有測到測試儀器可以測到的值.

F. PAHs ( Polynuclear Aromatic Hydrocarbons , 多環芳烴)

本文中產品範圍所列之產品, 皆不包含 PAHs

光聯科技沒有使用 PAHs, 也不曾將 PAHs 加入產品製程中.

且原材料產品組成經第 3方公正試驗室測試, 並沒有測到測試儀器可以測到的值.

Best Regards

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