

10<sup>th</sup> Mar 2023

To: AKMMeadville Electronics (Xiamen) Co., Ltd. Printed Circuit Board Customers

Re: Declaration on European Union (EU) REACH Compliance

Dear Valued Customers:

AKMMeadville Electronics (Xiamen) Co., Ltd., and all its wholly owned subsidiaries <sup>(1)</sup>, is a “build to print” manufacturer that builds unpopulated printed circuit boards (bare boards) that are specified by our respective customers. Our bare boards are classified to “article” as defined under Article 3(3) of REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) that may include “complex objects”; And there are no substances intended to be released from the products as defined by REACH article 7(1) under normal or reasonably foreseeable conditions of use. Under the above conditions, the substances in “article” are not required registration under REACH regulation.

Bare boards manufactured by us:

- Do not violate any REACH Annex XVII restriction(s) per the updated version dated on 5<sup>th</sup> Jan 2023 (<https://echa.europa.eu/substances-restricted-under-reach>) ;
- Do not contain any of the reportable 233 SVHC (Substances of Very High Concern) ingredients listed on the REACH Candidate List of SVHC as updated on 17<sup>th</sup> Jan 2023 (<https://echa.europa.eu/candidate-list-table>) at a concentration of  $\geq 0.1$  wt. % with the following potential exceptions (the raw materials listed in below table are required using in the customer’s design and the weight of the SVHC divided by the weight of the bare board is  $\geq 0.1$  wt.%):

| SVHC  | CAS No.     | Raw Material                               | Material Type   |
|---|-------------|--|---|
| 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 119313-12-1 | Taiyo ink                                  | PSR-4000 EG70M/ CA-40 G50, PSR-4000 GEC50/ CA-40 G50, PSR-9000 FLX501/ CA-90 FLX501, PSR-9000 FLX5010R/ CA-90 FLX501, PSR-9000 FLX81EM/ CA-90 FLX81EM |
| 4,4'-isopropylidenediphenol                         | 80-05-7     | Mitsubishi copper clad laminates, prepregs | CCL-HL832NX (type A), GHPL-830NX (type A), CCL-HL820 / 820W, GHPL-820WDI  |
|   |             | Panasonic copper clad laminates, prepregs  | R-5725, R-5620, R-5725S, R-5620S, R-1650V   |

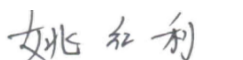
(1) Wholly owned subsidiaries included, but not limited to Meadville Technologies Co., Ltd., Guangzhou Meadville Electronics Co., Ltd., Shanghai Meadville Electronics Co., Ltd., Shanghai Meadville Science & Technology Co., Ltd.

|  |            |                                    |  |
|--|------------|------------------------------------|--|
| Hexahydro-4-methylphthalic anhydride                     | 19438-60-9 | Panasonic prepregs                 | R-A550(W)  |
| Cyclohexane-1,2-dicarboxylic anhydride                   | 85-42-7    | Panasonic prepregs                 | R-A550(W)  |
| 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 71868-10-5 | TEMPRA ink                         | DSR-330S50-99G SET   |
|  |            | Technic ink                        | TechniFlex LCL 1000F/900G, 1000F/110G A81, 1000F/001G BA2, 1000F/410M A81, 1000F/421M U6, 1000F/121M U6  |
|  |            | Taiyo ink                          | PSR-4000 MP / CA-40 MP(cured), PSR-4000 BL01/ CA-40 G24, PSR-4000 Z26-200PS/CA-40 Z26K, PSR-4000 G23K/ CA-40 G23K, PSR-4000 GHP3X-1/ CA-40 GHP3, PSR-4000 MPH/ CA-40 MPH, PSR-4000 PF9-BLUE/ CA-40 PF9, PSR-4000 PF9HF/ CA-40 PF9HF, PSR-4000 RD5/ CA-40 GF5, PSR-4000 MEH/ CA-40 G23K, PSR-4000 PF10ME/ CA-40 PF10, PSR-4000 EG23/ CA-40 G23K, PSR-4000 MH/ CA-40 MH, PSR-2000 BL600/CA-25 GL01 (Cured Film), PSR-4000 ME/CA-40 G23K (Cured Film)   |
| N,N-dimethylacetamide (DMAC)                             | 127-19-5   | SD copper clad laminates, prepregs | GHA-679G, MCL-HE-679G  |
|  |            | DuPont copper clad laminates       | AP5121R, AP5525R, AP7102D/E/R, AP7123D/R, AP7125E, AP7127R, AP7156E, AP7158D/R, AP7181D/R, AP7182R*, AP7183R, AP7186E*, AP7217E, AP7229R, AP7330E, AP7339R, AP7340R, AP7342R*, AP7367E, AP7382E/ES, AP7384R, AP7391R, AP7394E, AP7399E*, AP8525D/E/ES/R, AP8535D/E/R, AP8545D/E/R, AP8555D/R, AP8565D/R, AP8575R, AP8585R, AP9121D/E/R, AP9122D/R, AP9123D, AP9131D/E/R, AP9141D/E/R, AP9142R, AP9151D/E/R, AP9152R, AP9161D/R, AP9171R, AP9181R, AP9191R, AP9222D/E/R, AP9232D/R, AP9242R, AP9244R, AP9252R, AP9262R, AP9323D/R, AP9333R, AP9343R, AP9424R, AP9444R |

|          |          |            |  |
|----------|----------|------------|--|
| Melamine | 108-78-1 | Taiyo ink  | PSR-800 AUS SR1 (cured), PSR-800 AUS SR1-A(cured), PSR-800 AUS SR1-Z(cured), PSR-800 AUS ME1-Z(cured), PSR-4000 D60ME / CA-40 D60(cured), PSR-4000 LEW3 / CA-40 LEW3(cured), PSR-4000 AUS308 / CA-40 AUS308(cured) , PSR-4000 AUS703 140Ps / CA-40 AUS703 140Ps* (cured) , PSR-4000 D10ME / CA-40 D10(cured), PSR-4000 D10ME2 / CA-40 D10* (cured), PSR-4000 MP / CA-40 MP(cured) , PSR-4000 BL01/ CA-40 G24, PSR-9000 FLX501/ CA-90 FLX501, PSR-4000 Z26-200PS/CA-40 Z26K, PSR-4000 EG70M/ CA-40 G50, PSR-4000 G23K/ CA-40 G23K, PSR-4000 GEC50/ CA-40 G50, PSR-4000 GHP3X-1/ CA-40 GHP3, PSR-4000 MPHf/ CA-40 MPHf, PSR-4000 PF9-BLUE/ CA-40 PF9, PSR-4000 PF9HF/ CA-40 PF9HF, PSR-4000 RD5/ CA-40 GF5, PSR-9000 FLX5010R/ CA-90 FLX501, PSR-4000 MEH/ CA-40 G23K, PSR-9000 FLX505EM/ CA-90 FLX505EM, PSR-9000 FLX802W/ CA-90 FLX802W, PSR-4000 PF10ME/ CA-40 PF10, PSR-9000 FLX81EM/ CA-90 FLX81EM, PSR-4000 EG23/ CA-40 G23K, PSR-4000 MH/ CA-40 MH, PSR-2000 BL600/CA-25 GL01 (Cured Film), PSR-4000 ME/CA-40 G23K (Cured Film) |
|          |          | TEMPRA ink | DSR-330S50-99G SET   |

Should there be any queries over the aforementioned information, please contact your AKMMeadville Electronics (Xiamen) Co., Ltd. Representative(s) accordingly.

Yours sincerely,



Wendy Yao

Manager, QA&EHS Management System

AKMMeadville Electronics (Xiamen) Co., Ltd.

2023年3月10日

致: 安捷利美维电子(厦门)有限责任公司印刷电路板客户

**关于: 欧盟REACH声明**

尊敬的客户:

安捷利美维电子(厦门)有限责任公司, 及旗下全资子公司<sup>(1)</sup>, 作为“按图制作”的生产商, 是按照客户指定要求生产未贴件的印刷电路板(光板)。我司的光板符合REACH 条款3(3)关于“物品”的定义, 属于“合成物品”; 同时也满足REACH 条款7(1)中所定义的情况, 即产品在正常的或合理的可预期情况下使用则不会释放既定的化学物质。在上述条件下, “物品”中的化学物质无需按照REACH进行注册。

我司生产的光板:

- 不违反2023年1月5日更新的REACH附录XVII -限制物质 (<https://echa.europa.eu/substances-restricted-under-reach>);
- 不含任何重量浓度>0.1% 的233项“高关注度物质”, 具体请见2023年1月17日更新的REACH候选物质清单 (<https://echa.europa.eu/candidate-list-table>), 除以下潜在特殊情况(按客户设计要求使用下表所列物料且光板按重量分解后此高关注度物质重量大于等于0.1%):

| 高度关注物质                          | CAS 号       | 涉及物料            | 物料型号  |
|---------------------------------|-------------|-----------------|---|
| 2-苄基-2-二甲氨基<br>基-4'-吗啉基苯基丁<br>酮 | 119313-12-1 | 太阳油墨            | PSR-4000 EG70M/ CA-40 G50, PSR-4000 GEC50/ CA-40 G50, PSR-9000 FLX501/ CA-90 FLX501, PSR-9000 FLX5010R/ CA-90 FLX501, PSR-9000 FLX81EM/ CA-90 FLX81EM |
| 双酚 A(BPA)                       | 80-05-7     | 三菱覆铜板, 半<br>固化片 | CCL-HL832NX (type A), GHPL-830NX (type A), CCL-HL820 / 820W, GHPL-820WDI  |
|                                 |             | 松下覆铜板, 半<br>固化片 | R-5725, R-5620, R-5725S, R-5620S, R-1650V   |
| 六氢-4-甲基邻苯二<br>甲酸酐               | 19438-60-9  | 松下半固化片          | R-A550(W)   |
| 环己烷-1,2-二羧酸<br>酐                | 85-42-7     | 松下半固化片          | R-A550(W)   |


(1) 旗下全资子公司, 包括并不限于美维科技有限公司, 广州美维电子有限公司, 上海美维电子有限公司, 上海美维科技有限公司。

|                              |            |              |  |
|------------------------------|------------|--------------|--|
| 2-甲基-1-(4-甲硫基苯基)-2-吗啉基丙基-1-酮 | 71868-10-5 | 延科油墨         | DSR-330S50-99G SET   |
|                              |            | 得麒力油墨        | TechniFlex LCL 1000F/900G, 1000F/110G A81, 1000F/001G BA2, 1000F/410M A81, 1000F/421M U6, 1000F/121M U6  |
|                              |            | 太阳油墨         | PSR-4000 MP / CA-40 MP(cured), PSR-4000 BL01/ CA-40 G24, PSR-4000 Z26-200PS/CA-40 Z26K, PSR-4000 G23K/ CA-40 G23K, PSR-4000 GHP3X-1/ CA-40 GHP3, PSR-4000 MPHf/ CA-40 MPHf, PSR-4000 PF9-BLUE/ CA-40 PF9, PSR-4000 PF9HF/ CA-40 PF9HF, PSR-4000 RD5/ CA-40 GF5, PSR-4000 MEH/ CA-40 G23K, PSR-4000 PF10ME/ CA-40 PF10, PSR-4000 EG23/ CA-40 G23K, PSR-4000 MH/ CA-40 MH, PSR-2000 BL600/CA-25 GL01 (Cured Film), PSR-4000 ME/CA-40 G23K (Cured Film)   |
| N,N-二甲基乙酰胺 (DMAC)            | 127-19-5   | 葛司蒂覆铜板, 半固化片 | GHA-679G, MCL-HE-679G  |
|                              |            | 杜邦覆铜板        | AP5121R, AP5525R, AP7102D/E/R, AP7123D/R, AP7125E, AP7127R, AP7156E, AP7158D/R, AP7181D/R, AP7182R*, AP7183R, AP7186E*, AP7217E, AP7229R, AP7330E, AP7339R, AP7340R, AP7342R*, AP7367E, AP7382E/ES, AP7384R, AP7391R, AP7394E, AP7399E*, AP8525D/E/ES/R, AP8535D/E/R, AP8545D/E/R, AP8555D/R, AP8565D/R, AP8575R, AP8585R, AP9121D/E/R, AP9122D/R, AP9123D, AP9131D/E/R, AP9141D/E/R, AP9142R, AP9151D/E/R, AP9152R, AP9161D/R, AP9171R, AP9181R, AP9191R, AP9222D/E/R, AP9232D/R, AP9242R, AP9244R, AP9252R, AP9262R, AP9323D/R, AP9333R, AP9343R, AP9424R, AP9444R |

|      |          |      |  |
|------|----------|------|--|
| 三聚氰胺 | 108-78-1 | 太阳油墨 | PSR-800 AUS SR1 (cured), PSR-800 AUS SR1-A(cured), PSR-800 AUS SR1-Z(cured), PSR-800 AUS ME1-Z(cured), PSR-4000 D60ME / CA-40 D60(cured), PSR-4000 LEW3 / CA-40 LEW3(cured), PSR-4000 AUS308 / CA-40 AUS308(cured) , PSR-4000 AUS703 140Ps / CA-40 AUS703 140Ps* (cured) , PSR-4000 D10ME / CA-40 D10(cured), PSR-4000 D10ME2 / CA-40 D10* (cured), PSR-4000 MP / CA-40 MP(cured) , PSR-4000 BL01/ CA-40 G24, PSR-9000 FLX501/ CA-90 FLX501, PSR-4000 Z26-200PS/CA-40 Z26K, PSR-4000 EG70M/ CA-40 G50, PSR-4000 G23K/ CA-40 G23K, PSR-4000 GEC50/ CA-40 G50, PSR-4000 GHP3X-1/ CA-40 GHP3, PSR-4000 MPH/ CA-40 MPH, PSR-4000 PF9-BLUE/ CA-40 PF9, PSR-4000 PF9HF/ CA-40 PF9HF, PSR-4000 RD5/ CA-40 GF5, PSR-9000 FLX5010R/ CA-90 FLX501, PSR-4000 MEH/ CA-40 G23K, PSR-9000 FLX505EM/ CA-90 FLX505EM, PSR-9000 FLX802W/ CA-90 FLX802W, PSR-4000 PF10ME/ CA-40 PF10, PSR-9000 FLX81EM/ CA-90 FLX81EM, PSR-4000 EG23/ CA-40 G23K, PSR-4000 MH/ CA-40 MH, PSR-2000 BL600/CA-25 GL01 (Cured Film), PSR-4000 ME/CA-40 G23K (Cured Film) |
|      |          | 延科油墨 | DSR-330S50-99G SET   |

若贵司对此信息有任何疑问, 请联系贵司之安捷利美维电子(厦门)有限责任公司代表。

此致



姚红利

经理, 品质保证/EHS体系部

安捷利美维电子(厦门)有限责任公司