

28<sup>th</sup> May 2021

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:

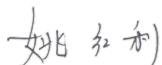
- Do not violate any REACH Annex XVII restriction(s) per the updated version dated on 22<sup>nd</sup> February 2021 (<https://echa.europa.eu/substances-restricted-under-reach>) ;
- Do not contain any of the reportable 211 SVHC (Substances of Very High Concern) ingredients listed on the REACH Candidate List of SVHC as updated on 19<sup>th</sup> January 2021 (<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'-morpholinobutyrop henone	119313-12-1	Taiyo ink	PSR-9000 FLX501/CA-90FLX501, PSR-4000 EG70M/CA-40 G50, PSR-4000 GEC50/CA-40 G50,
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	Taiyo ink	PSR-4000 BL01/CA-40 G24, PSR-4000 EG23/CA-40 G23K, PSR-4000 G23K/CA 40 G23K, PSR-4000 MH/CA-40 MH, 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-2000 ME8H/CA-25 E, PSR-2000 CE823HF/CA-25 CE81, PSR-4000 MEH/CA-40 G23K, PSR-4000 AUS5-330Ps/CA-40 AUS2-330Ps(Cured), PSR-4000 MP/CA-40 MP(cured), PSR-2000 BL600/CA-25 GL01(Cured Film), PSR-4000 ME/CA-40 G23K(Cured Film), PSR-4000 RD5/CA-40 GF5(Cured Film)
		TEMPRA ink	DSR-330S50-99G SET, DSR-330S50-99GHF SET, DSR-2200TT 19GHF SET, DSR-8000S22-17 SET SET

N,N-dimethylacetamide	127-19-5	DuPont flexible copper clad laminates, coverlay	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, FR8550R*, FR8555R*, PHOTOPOSIT SN68V (CN) / 20KG PDR T (10331712)
		EMC copper clad laminates, Prepregs	EM-37B(Z)/EM-37B (D)
		SD Electronic Materials copper clad laminates, Prepregs	GHA-679G, MCL-HE-679G
4,4'-isopropylidenediphenol	80-05-7	Mitsubishi copper clad laminates, Prepregs	CCL-HL820, CCL-HL820W, CCL-HL832NX(typeA), GHPL-830NX(typeA) , GHPL-820WDI
		Panasonic copper clad laminates, Prepregs	R-5725, R-5620, R-5725S, R-5620S, R-1650V, R-1650E
4-Nonylphenol, ethoxylated	26027-38-3	DuPont flexible copper clad laminates, coverlay	RONACLEAN SE 250/20L PDR D (11119699)

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, Quality & EHS Department

AKMMeadville Electronics (Xiamen) Co., Ltd.

(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.

2021年5月28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:

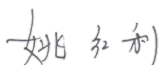
- 不违反2021年2月22日更新的REACH附录XVII - 限制物质 (<https://echa.europa.eu/substances-restricted-under-reach>);
- 不含任何重量浓度>0.1% 的211项“高关注度物质”, 具体请见2021年1月19日更新的REACH候选物质清单 (<https://echa.europa.eu/candidate-list-table>), 除以下潜在特殊情况(按客户设计要求使用下表所列物料且光板按重量分解后此高关注度物质重量大于等于0.1%) :

高度关注物质	CAS 号	涉及物料	物料型号
2-苄基-2-二甲氨基-4'-吗啉基苯基丁酮	119313-12-1	太阳油墨	PSR-9000 FLX501/CA-90FLX501, PSR-4000 EG70M/CA-40 G50, PSR-4000 GEC50/CA-40 G50,
2-甲基-1-(4-甲硫基苯基)-2-吗啉基丙基-1-酮	71868-10-5	太阳油墨	PSR-4000 BL01/CA-40 G24, PSR-4000 EG23/CA-40 G23K, PSR-4000 G23K/CA 40 G23K, PSR-4000 MH/CA-40 MH, 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-2000 ME8H/CA-25 E, PSR-2000 CE823HF/CA-25 CE81, PSR-4000 MEH/CA-40 G23K, PSR-4000 AUS5-330Ps/CA-40 AUS2-330Ps(Cured), PSR-4000 MP/CA-40 MP(cured), PSR-2000 BL600/CA-25 GL01(Cured Film), PSR-4000 ME/CA-40 G23K(Cured Film), PSR-4000 RD5/CA-40 GF5(Cured Film)
		延科油墨	DSR-330S50-99G SET, DSR-330S50-99GHF SET, DSR-2200TT 19GHF SET, DSR-8000S22-17 SET SET

N,N-二甲基乙酰胺 (DMAC)	127-19-5	杜邦软板基材, 覆盖膜	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, FR8550R*, FR8555R*, PHOTOPOSIT SN68V (CN) / 20KG PDR T (10331712)
		台光覆铜板, 半固化片	EM-37B(Z)/EM-37B (D)
		蔼司蒂覆铜板, 半固化片	GHA-679G, MCL-HE-679G
双酚 A(BPA)	80-05-7	三菱覆铜板, 半固化片	CCL-HL820, CCL-HL820W, CCL-HL832NX(typeA), GHPL-830NX(typeA), GHPL-820WDI
		松下覆铜板, 半固化片	R-5725, R-5620, R-5725S, R-5620S, R-1650V, R-1650E
4-壬基酚聚氧乙烯醚	26027-38-3	杜邦软板基材, 覆盖膜	RONACLEAN SE 250/20L PDR D (11119699)

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, 质量&环境健康安全部门

安捷利美维电子(厦门)有限责任公司