

June 2020

To all Interested Parties

**RE: RoHS 2 – The Restriction Of the use of certain Hazardous Substances in electrical and electronic equipment amended by Directive 2015/863 aka ROHS 3 and all directives listed on the last pages.**

This letter confirms that, based on information provided by our suppliers, all products including electrical and mechanical assemblies supplied by KMF do not contain any of the substances prohibited by the European Community Directive (2011/65/EU) amended by Directive 2015/863 on the Restriction of the use of certain Hazardous Substances, commonly known as the RoHS Directive, at levels in excess of the anticipated maximum concentration values unless by prior arrangement by the customer.

Due to the volume of parts that we currently produce it is not possible to complete a declaration of compliance for each individual part, therefore please use this letter to cover all parts supplied to yourselves.

Also, you will find a statement of compliance on our delivery notes.

If you require any further information with regards to the directive or compliance, please do not hesitate to contact the undersigned.

Yours sincerely,



Mr Gavin Hughes  
Health and Safety Manager  
KMF Precision Sheet Metal Limited

### List of amending directives.

- Directive [2012/50/EU](#), amending [Annex 3](#) to this Directive as regards an exemption for applications containing lead;
- Directive [2012/51/EU](#), amending [Annex 3](#) to this Directive as regards an exemption for applications containing cadmium;
- Directive [2014/1/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead as an alloying element for bearings and wear surfaces in medical equipment exposed to ionising radiation;
- Directive [2014/2/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for cadmium in phosphor coatings;
- Directive [2014/3/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead acetate marker;
- Directive [2014/4/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead enabling vacuum tight connections between aluminum and steel in X-ray image intensifiers;
- Directive [2014/5/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead in solders;
- Directive [2014/6/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead in the surface coatings of pin connector systems;
- Directive [2014/7/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead;
- Directive [2014/8/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead in solders for mounting cadmium telluride and cadmium zinc telluride digital array detectors to printed circuit boards;
- Directive [2014/9/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead and cadmium in metallic bonds;
- Directive [2014/10/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead in alloys;
- Directive [2014/11/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for hexavalent chromium in alkali dispensers;
- Directive [2014/12/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead in solders;
- Directive [2014/13/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead in solders on populated printed circuit boards;
- Directive [2014/14/EU](#), amending [Annex 3](#) to this Directive as regards an exemption for 3,5 mg mercury per lamp in single capped compact fluorescent lamps;
- Directive [2014/15/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead, cadmium and hexavalent chromium;
- Directive [2014/16/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead as an activator in the fluorescent powder of discharge lamps;
- OJ:L44/55/2014, which issues a corrigendum to replace an error in the text;
- Directive [2014/69/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC for industrial monitoring and control instruments;

- Directive [2014/70/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead in micro-channel plates (MCPs);
- Directive [2014/71/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead in solder in one interface of large area stacked die elements;
- Directive [2014/72/EU](#), amending [Annex 3](#) to this Directive as regards an exemption for lead in solders and termination finishes of electrical and electronic components and finishes of printed circuit boards used in ignition modules and other electrical and electronic engine control systems;
- Directive [2014/73/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead in platinized platinum electrodes used for conductivity measurements;
- Directive [2014/74/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead used in other than C-press compliant pin connector systems for industrial monitoring and control instruments;
- Directive [2014/75/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for mercury in cold cathode fluorescent lamps (CCFLs) for back-lighting liquid crystal displays, not exceeding 5 mg per lamp, used in industrial monitoring and control instruments placed on the market before 22 July 2017;
- Directive [2014/76/EU](#), amending [Annex 3](#) to this Directive as regards an exemption for Mercury in hand crafted luminous discharge tubes (HLDTs) used for signs, decorative or architectural and specialist lighting and light-artwork;
- Directive [2015/573/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead in polyvinyl chloride sensors in in-vitro diagnostic medical devices;
- Directive [2015/574/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for mercury in intravascular ultrasound imaging systems;
- **Directive [2015/863/EU](#), amending this Directive, regarding the list of restricted substances;**
- Directive [2016/1028/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead in solders of electrical connections to temperature measurement sensors in certain devices;
- Directive [2016/1029/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for cadmium anodes in Hersch cells for certain oxygen sensors used in industrial monitoring and control instruments;
- Directive [2016/585/EU](#), amending [Annex 4](#) to this Directive as regards an exemption for lead, cadmium, hexavalent chromium, and polybrominated diphenyl ethers (PBDE) in spare parts recovered from and used for the repair or refurbishment of medical devices or electron microscopes;
- Directive [2017/1009/EU](#) amending, [Annex 3](#) to this Directive as regards an exemption for cadmium and lead in filter glasses and glasses used for reflectance standards;
- Directive [2017/1010/EU](#) amending, [Annex 3](#) to this Directive as regards an exemption for lead in bearing shells and bushes for certain refrigerant-containing compressors;
- Directive [2017/1011/EU](#) amending, [Annex 3](#) to this Directive as regards an exemption for lead in white glasses used for optical applications;
- Directive [2017/1975/EU](#) amending, [Annex 3](#) to this Directive as regards an exemption for cadmium in colour converting light-emitting diodes (LEDs) for use in display systems;
- Directive [2017/2102/EU](#) amending this Directive;

- Directive [2018/736/EU](#), amending [Annex 3](#) to this Directive as regards an exemption for certain electrical and electronic components containing lead in glass or ceramic;
- Directive [2018/737/EU](#), amending [Annex 3](#) to this Directive as regards an exemption for lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors;
- Directive [2018/738/EU](#), amending [Annex 3](#) to this Directive as regards an exemption for lead in cermet-based trimmer potentiometer elements;
- Directive [2018/739/EU](#), amending [Annex 3](#) to this Directive as regards an exemption for lead as an alloying element in steel;
- Directive [2018/740/EU](#), amending [Annex 3](#) to this Directive as regards an exemption for lead as an alloying element in aluminium;
- Directive [2018/741/EU](#), amending [Annex 3](#) to this Directive as regards an exemption for lead as an alloying element in copper;
- Directive [2018/742/EU](#), amending [Annex 3](#) to this Directive as regards an exemption for lead in high melting temperature solders.
- 

### List of Updated Substances

- lead - 0.1%;
- mercury - 0.1%;
- cadmium - 0.01%;
- hexavalent chromium - 0.1%;
- polybrominated biphenyls (PBB) - 0.1%;
- polybrominated diphenyl ethers (PBDE) - 0.1%;
- bis(2-ethylhexyl) phthalate (DEHP) - 0.1 %;
- butyl benzyl phthalate (BBP) - 0.1 %;
- dibutyl phthalate (DBP) - 0.1 %;
- diisobutyl phthalate (DIBP) - 0.1 %.