

AirBorn

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Prohibited Materials –for Internal/Supplier Use

The following substances are Prohibited from all materials supplied to AirBorn, unless otherwise identified by exception:

PART 1: From Directive 2011/65/EU of the European Parliament on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS 2):

- Lead (Pb) in excess of 1000 ppm on any homogeneous material including plating
 - Exceptions
 - Alloying element in steel containing up to 0.35% lead by weight
 - Aluminum containing up to 0.4% lead by weight
 - Copper alloy containing up to 4% lead by weight
 - Lead in high melting temperature type solders (i.e. tin-lead solder alloys containing more than 85% lead)
 - Lead in glass of electronic components
 - Lead in electronic ceramic parts (e.g. piezoelectric devices)
 - Lead in tin plated bus wire specified by AirBorn by industry specification. This is an AirBorn specific exception.
 - Lead in planar filters. This is an AirBorn specific exception.
 - Lead in solder bars, solder wire, and solder paste when specified by AirBorn
 - Lead in tin/lead plating when specified by AirBorn.
- Mercury in excess of 1000 ppm on any homogeneous material including plating
- Cadmium in excess of 100 ppm on any homogeneous material including plating
 - Exceptions
 - Cadmium plating specified by Airborn
 - SAE AS 22759/33 wire
 - 04047 and 04036 wire
- Hexavalent Chromium in excess of 1000 ppm on any homogeneous material including plating
 - Exception is made for Cadmium plating specified by Airborn that requires chromate
 - Exception is made for supplementary tarnish resistance treatment over silver plating when specified by AirBorn.
- Polybrominated Biphenyls (PBB) in excess of 1000 ppm on any homogeneous material
- Polybrominated Diphenyl Ethers (PBDE) in excess of 1000 ppm on any homogeneous material

PART 2: From a general industry concern about tin whisker growth:

- Pure Tin on any Purchased Item or Component of a Purchased Item, including plating, composed of more than 97% tin by weight is prohibited.
 - Exceptions
 - Pure tin plate bus wire specified by AirBorn by industry specification (for use on RoHS compliant product only)
 - Braided Shield ordered to AA 55969 or QQ-B-575.

Statement of Compliance to ESG6017 is required.

- The expectation is that a Statement of Compliance be created, even if there is an exception from PART 1 or PART 2, with the exception clearly stated. Example: “The requirements of ESG6017 have been met **EXCEPT** for the required lead in solder bars, solder wire, and solder paste as specified by AirBorn.
- Exceptions: (where no Statement of Compliance is required)
 - When items such as screw machine, CNC, or stamped parts are purchased to an AirBorn part number, AirBorn will accept compliant raw material certifications without a compliance statement to ESG6017 provided the following conditions are met:
 - The raw material is specified by AirBorn, AND
 - The raw material composition is controlled by an industry specification, AND
 - The purchased part is made from a single homogeneous material.
 - Tools and core pins.
 - Consigned material.
 - MRO Materials- Maintenance, Repair, and Operating supplies.