Industrial Rivet & Fastener Co.

Declaration of Conformity to European Union Directives:
ROHS1 2002/95/EC ~ RoHS2 2011/65/EU ~ RoHS3 2015/863

European Union Directives: 2002/95/EC, 2011/65/EU & 2015/863, restricts the use of several hazardous substances in the categories defined in Table 2. This self-declaration covers the compliance of fastener materials to the material composition limits of the restricted substances listed in the Directive and subsequent Commission Decisions and amendments.

This Declaration is made on the following products and is based on the information provided in this document, from our subcontractors, and to the best of our knowledge.

The following fasteners and secondary processes are RoHS, RoHS2 & RoHS3 compliant:

• Unplated low and medium carbon steel, • Alloy steel, • Copper and its alloys, • Aluminum and its alloys (except 2011) • Stainless steel • IRFGuard • Mechanical galvanizing	• Thermal and chemical black oxide finishes, • Electrodeposited zinc plating with clear chromates (trivalent) • Nylon fasteners & nylon material used for patches, pellets, and inserts • Passivation Processes

The materials used in these fasteners/coatings contain less than the maximum limits shown in Table 1 for:

ROHS 2 – Original 6 Substances (EU 2002/95/EC & 2011/65/EU):	**ROHS 3 – Additional 4 substances** (EU 2015/863):
• Lead (Pb) • Cadmium (Cd) • Mercury (Hg) • Cr+6 (Hexavalent Chromium) • Polybrominated biphenyls (PBB) • Polybrominated diphenyl ethers (PBDE)	• Bis(2-Ethylhexyl) phthalate (DEHP): max 0.1% • Benzyl butyl phthalate (BBP): max 0.1%) • Dibutyl phthalate (DBP): max 0.1% • Diisobutyl phthalate (DIBP): max 0.1%

In addition, the lead alloying element in steel is less than 0.35% by weight in accordance with the Annex paragraph 6. For aluminum alloys, the lead alloying element is less than 0.4% and for copper alloys, the lead content shall not exceed 4% by weight in accordance with the Annex paragraph 6.

Table 1 Compliance Matrix for Fasteners

Substance	Maximum Limit (wt%)	
Pb (Lead)	Carbon and Steel Alloys	0.35%
	Copper Alloys	4%
	Aluminum Alloys	0.4%
Cd (Cadmium)	0.01%	
Hg (Mercury)	0.1%	
Cr+6 (Hexavalent Chromium)	0.1%	
PBB (Polybrominated biphenyls)	0.1%	
PBDE (Polybrominated diphenyl ethers)	0.1%	
DecaBDE (Decabromodiphenyl ethers)	0.0%	
Bis(2-Ethylhexyl) phthalate (DEHP)	0.1%	
Benzyl butyl phthalate (BBP)	0.1%	
Dibutyl phthalate (DBP):	0.1%	
Diisobutyl phthalate (DIBP)	0.1%	

RivetKing has converted cataloged fasteners plated with electrodeposited zinc and clear chromate (more commonly known as "clear zinc") from hexavalent chromate (Cr +6) to trivalent chromate (Cr +3).   RivetKing has been restricting its purchasing to compliant fasteners since 2007.

Catalog parts plated with electrodeposited zinc and yellow chromate (more commonly referred to as "yellow zinc") contain approximately 1-3 micrograms per cm2 of hexavalent chromium (Cr +6) and do not comply with the 0.1 wt% maximum concentration level.   Therefore, standard catalog parts that have electroplated yellow zinc plating, will not comply with Directive 2011/65/EU (RoHS2/3).

As we are a stocking manufacturer, we may have parts prior to 2007 in inventory which are also not compliant with Directive 2011/65/EU (RoHS2/3). This certificate will only be provided on active products that were manufactured after 2007.

As we are also a supplier to industry's that require non-compliant finishes, we may actively manufacture products which are non-compliant, however, we do so specifically based on the customers specification and is considered a special "non-catalog" product. These will not be covered under this declaration.

If your application requires a coating other than clear zinc, RivetKing has multiple sources for chromium free coatings that will meet or exceed the performance of standard platings containing hexavalent chromium. Please contact RivetKing for pricing and assistance on selecting the right coating for your application.

 Additional Directive Information
 This information does not purport to address all Directive requirements and should only be used as a preliminary guide. It is recommended that the Directives pertaining to your product be read in their entirety, along with all pertinent subsequent Commission Decisions.

#	Category
1	Large Household Appliances
2	Small Household Appliances
3	IT and Telecommunications Equipement
4	Consumer Equipment
5	Lighting Equipment
6	Electrical and Electronic Tools (with the exception of large scale stationary industrial tools)
7	Toys, Leisure and Sports Equipment
8	Medical Devices
9	Monitoring and Control Instruments
10	Automatic Dispensers
11	All other electrical equipment not covered by any of these categories