

## REACH Certification of compliance:

As AB Connectors is a supplier of Articles only, as defined by the EU Reach Regulation and estimated usage of anyone substance per Articles produced is less than one (1) metric ton of the substance/year- as such AB Connectors has no requirement to register the samples.

AB Connectors regularly surveys both products and suppliers regarding the presence of the specific substances included on the "list of Substances of Very High Concern" (SVHC).

### **Non-Cadmium plated Product**

To date AB Connector's supplier responses for all components that go into all non-cadmium plated product have advised that SVHC's are not present and/or present below 0.1% (1000ppm).

### **Cadmium Plated Product**

A number of products that AB Connectors Ltd supply are cadmium plated, and hence contain more than 0.1% by weight cadmium. See the safe use information relating to these products.

### **Article 33 of REACH**

Article 33 requires that any supplier of an article in the EU containing SVHCs above the threshold of 0.1% weight by weight must provide sufficient information to the customer to allow safe use of the article.

### **Safe Use Information**

**Substance Name:** Cadmium

**CAS Number:** 7440-43-9

#### **Risk Assessment**

As a plated surface on a component, cadmium does not represent a risk to health - cadmium is not easily absorbed through the skin, so handling cadmium plated items poses no risk to the user.

The main risk to health is cadmium dust or vapour, which can be generated by, for example machining cadmium, or welding it. The main route of entry into the body is via inhalation, followed by ingestion. If it corrodes, cadmium forms a white crystalline cadmium salt deposit on the surface of the plating, and this can represent a health risk if not handled properly. The deposit may enter the body through inhalation if it becomes airborne (eg when packaging around the part is opened) or ingestion (if a person eats or smokes without washing their hands after touching the deposit).

Cadmium, and the compounds formed when it corrodes, are toxic by ingestion, acutely toxic if inhaled, may cause cancer, and are suspected of being able to cause genetic defects, damage fertility and be harmful to the unborn child.

### **Handling Instructions**

No precautions are required for handling cadmium plated items in the as-supplied condition.

It is recommended that cadmium plated articles should not be heated (eg welded) or machined by the end user. If it is necessary to handle products with corroded cadmium plating then suitable gloves and respiratory protection should be worn, and care taken to minimise the corrosion products becoming airborne.

### **Disposal Instructions**

The article should be disposed of in accordance with all applicable governmental regulations relevant to the geographical location.