

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 per year - as such AB Connectors has no requirement to register the samples.

AB Connectors has surveyed its products and suppliers regarding the presence of the 201 specific substances included on the "list of Substances of Very High Concern" (SVHC) up to the 23/07/2019 inclusion date.

Non-Cadmium plated and Non-Lead Soldered Product

To date AB Connector's supplier responses for all components that go into all non-cadmium plated or lead soldered product have advised the 215 SVHC substances 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, which can represent a health risk if not handled properly. The deposit may enter the body through inhalation if it becomes airborne (e.g. 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 (e.g. welded) or machined by the end user.

If it becomes necessary to handle products with corroded cadmium plating then suitable gloves and respiratory protection should be worn. Care should also be 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.

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Lead Soldered Product

A number of products that AB Connectors Ltd supply are lead soldered, and hence contain more than 0.1% by weight Lead. 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: Lead

CAS Number: 231-100-4

Risk Assessment

As a pre-soldered material on a contact Lead does not represent a risk to health - Lead is not easily absorbed through the skin, so handling Lead soldered items poses no risk to the user. The main risk to health is through Lead vapour, which is generated when heating for the purposes of re-flowing the solder. The main route of entry into the body is via inhalation, followed by ingestion.

Safe Use Instructions

Use with adequate ventilation. Do not breathe fumes or dust from this material. Soldering should only be carried out under conditions of adequate ventilation or local exhaust extraction to ensure compliance with all relevant occupational exposure limits for the materials involved. Where local exhaust extraction is being used its effectiveness should be tested on a regular basis. Observe all necessary health and safety precautions relevant to the soldering process e.g. Flame soldering. Follow special national provisions related to work with lead and its compounds.

Pregnant women should not work with the product, if there is the least risk of lead exposure. Wear appropriate personal protective equipment. Avoid contact with hot or molten material. Do not use water on molten metal. Observe good industrial hygiene practices.

Disposal Instructions

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

Aluminium Products

All components manufactured from Aluminium contain a small quantity of Lead, in accordance with the RoHS and the existing exemption for the Lead content in Aluminium, none of AB Connectors aluminium components contain more than 0.4% weight for weight of Lead.

There are no safe use instructions specifically for these items as all aluminium components are plated prior to assembly.

For further enquiries regarding REACH compliance, please contact us via the e-mail below:

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