

# Ossi Connectors A/S MSDS for cadmium plated products

---

## SVHC (Substances of Very High Concern)

This document describes under REACH, the most hazardous substances on the market are gradually being added to list known as Candidate List, with the view of ensuring their use is correctly controlled and safer alternatives are found as soon as possible. Cadmium was added to the Candidate List and became a SVHC 20-06-2013.

## Article 33 of REACH

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

## Relevance of SVHC to Ossi Connectors products

Some products manufactured by Ossi Connectors are cadmium plated and hence contain more than 0.1% by weight cadmium. Please, find Risk Assessment below.

## Risk Assessment

Substance Name: Cadmium  
CAS Number: 7440-43-9  
SVHC Number: ED / 69 / 2013

The use of cadmium as plating finish still has an important role in safety critical applications. As plated surface on component, cadmium does not represent a risk to health. Cadmium is not easily absorbed through the skin, so handling cadmium plated products exposes no risk to the user. The main risk to health is cadmium dust or vapour, which can be generated by machining welding or polishing. 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 of not handled properly. The deposit may enter the body through inhalation if it becomes airborne or ingestion. 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 to be harmful to the unborn child.

## Handling Instructions

No precautions are required for handling cadmium plated products in the as-supplied condition. It is recommended that cadmium plated products should not be heated, machined or polished by the end user. If it is necessary to handle the products with corroded cadmium plating then suitable gloves and respiratory protection should be worn and care taken to minimise the corrosion products become airborne.

## Disposal Instructions

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

## Contact Information

We kindly ask you to contact Ossi Connectors A/S for further information:  
T +45 7478 2888  
E [info@ossi.dk](mailto:info@ossi.dk)