

Caddock REACH Compliance Statement

This document is Caddock Electronics' statement regarding EC Regulation 1907/2006, also known as REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals).

Under the REACH Regulations, Caddock Electronics Inc. is an "Article Supplier" that Exports Articles to the EU. As a producer of "Articles", Caddock is affected by Article 7 (with the referenced Articles 57 and 59) and Article 33 of the REACH Regulation 1907/2006.

Article 7 "Registration and notification of substances in articles"

1. Any Producer or Importer of articles shall submit a registration to the Agency for any substance contained in those articles, if both of the following conditions are met:
 - a. The substance is present in those articles in quantities totaling over 1 tonne per producer or importer per year;
 - b. The substance is intended to be released under normal or reasonably foreseeable conditions of use.

Caddock's Response: Caddock's High Performance Film Resistors do not contain any substances that are "intended to be released under normal or reasonably foreseeable conditions of use".

2. Any Producer or Importer of articles shall notify the Agency if a substance meets the criteria of Article 57 and is identified in accordance with Article 59, if both of the following conditions are met:
 - a. The substance is present in those articles in quantities totaling over 1 tonne per producer or importer per year;
 - b. The substance is present in those articles above a concentration of 0.10% weight by weight.

Caddock's Response:

SVHC List: With the exception of the products listed on page 2, Caddock resistor products do Not Contain, in excess of 0.10% w/w, any of the 240 substances listed on the "Candidate List of Substances of Very High Concern" (SVHC), updated on January 23, 2024.

Annex XIV "Authorization List": None of the 59 substances currently listed in Annex XIV are present in Caddock products.

Annex XVII: None of the 73 substances/entries currently listed and described under the conditions of restriction in Annex XVII are present in Caddock products.

Article 33 "Duty to Communicate information on substances in Articles"

1. Any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.10% weight by weight shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of the substance.
2. On request by a consumer, any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.10% weight by weight shall provide the consumer with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of the substance.

Caddock's Response:

SVHC List: With the exception of the products listed on page 2, Caddock resistor products do Not Contain, in excess of 0.10% w/w, any of the 240 substances listed on the "Candidate List of Substances of Very High Concern" (SVHC), updated on January 23, 2024.

Annex XIV "Authorization List": None of the 59 substances currently listed in Annex XIV are present in Caddock products.

Annex XVII: None of the 73 substances/entries currently listed and described under the conditions of restriction in Annex XVII are present in Caddock products.

Notification: All Caddock Resistor Products contain Glass in the resistance films, glass passivations, and conductor/termination materials. In this Glass, the constituents of Silicon Dioxide, Lead Oxide, Boron Oxide and other oxides, for example, have been chemically reacted together, bonded in a non-crystalline, inorganic macromolecular structure, forming a new chemical substance, totally different from the starting materials. REACH classifies Glass as UVCB Substances (substances of unknown or variable composition). The starting materials are combined in the structure of the Glass substance and are therefore not present as an SVHC. The Glass presents no hazard to humans or to the environment under normal handling and use. Therefore, there are no obligations under EU REACH regulations of communication to customers and notification to ECHA for articles containing glass.

Caddock Products that contain in Excess of 0.10% w/w of Lead

Customer Specific Part Numbers with Sn/Pb Hot Solder Dip Terminal finish

Caddock Resistor Products supplied to Customer Part Drawings that require an Sn/Pb Hot Solder Dip Lead Finish contain Lead (Pb) in the Lead (Terminal) Finish. These parts are only available to those specific customers who require the non-standard Sn/Pb Hot Solder Dip Lead Finish and are sold only using the Customer Drawing Part Number and Caddock's Special Ordering Part Number assigned to that Drawing Part Number.

Type MM Resistors

The Type MM resistors are Non Compliant to the EU RoHS and EU REACH Regulations. The Type MM resistors are Not Recommended for New Designs. The special high temperature molding compound used to encapsulate the Type MM resistors contains a Lead Compound that exceeds 0.1% of the weight of the molding compound but is less than 0.1% of the weight of the total resistor. This special high temperature molding compound was discontinued by our supplier many years ago and a suitable substitute was not found. We have a limited supply of this molding compound on hand, and we only supply the Type MM resistors to customers and programs that have used the Type MM resistors in the past. For RoHS Compliant non-inductive power film resistors that are nearly identical to the Type MM resistors, we recommend customers evaluate the Type MS resistors (RoHS Compliant).

Caddock has taken reasonable steps to provide accurate information about Substances of Very High Concern in the materials that are provided to Caddock and used in Caddock products. Caddock relies on data supplied by, and statements made by suppliers of these materials for this information.