



5th February 2024

REACH DECLARATION

REACH is the system for controlling chemicals within Europe and its aim is to improve the protection of human health and the environment. As a responsible manufacturer, Lorlin Electronics Ltd seeks to ensure that we meet our obligations under these regulations.

Lorlin Electronics Ltd is defined as a downstream user. The products we supply to you are solely non-chemical products (goods). Moreover, and under normal and reasonably foreseeable circumstances of application, the goods supplied to you shall not release any substances.

The chemicals used by us never reach the lower limit of 1 tonne/year and for these reasons, Lorlin Electronics Ltd is not obliged to register any substance. Nonetheless, we are in regular communication with all our suppliers to ensure there is complete compliance throughout the supply chain.

The list of Candidate Substances (SVHC) may be assessed on the following website:
<https://echa.europa.eu/candidate-list-table>

Lorlin Electronics Ltd has surveyed its processes, products, packaging and suppliers regarding the presence of the substances currently on the SVHC list, including Annex XIV and Annex XVII and declares that other than the following exceptions such substances are not present or only present below 0.1% (1000ppm).

Exceptions:-

A number of products produced by Lorlin Electronics Ltd are fitted with Silver Cadmium Oxide (AgCdO) contacts, the Cadmium in these contacts is greater than 0.01% weight by weight. Lorlin Electronics Ltd are working to remove Cadmium from all products and are currently testing a number of alternative options, samples are available.

Brass retaining nuts, where supplied, are manufactured from European standard free-machining Brass which contains Lead (Pb) above 0.1% weight by weight. Similarly, Steel spindles, where fitted, also contain more than 0.1% Lead by weight.

It should be noted that levels of Cadmium Oxide and Lead do not exceed the current RoHS directive (electrical and electronic equipment) limits. See relevant RoHS certificate for more details.

In accordance with article 33 of REACH, further details regarding safe use can be found below.

A handwritten signature in black ink, consisting of a stylized, cursive name.

Managing Director
Lorlin Electronics Ltd

Safe Use Information

Substance Name: Cadmium Oxide (CdO)

CAS Number: 1306-19-0 **EN Number:** 215-146-2

Lorlin Switch Range:-

DSL, MIS, MSL, MS2000, RALM, RMS, SRLM, WRLM Contacts Max total content 11.5mg CdO

Risk Assessment

The homogeneous Silver Cadmium contacts contain 10% or less Cadmium Oxide. The contacts are housed within the mains switch module, in this form Cadmium does not represent a risk to health. Cadmium is not easily absorbed through the skin so handling the contacts (in the event of part damage) directly poses no risk to the user.

Handling Instructions

No precautions are required for handling product that contain Silver Cadmium contacts.

Substance Name: Lead (Pb)

CAS Number: 7439-92-1 **EN Number:** 231-100-4

Lorlin Switch Range:-

BCK, BCKS, CK, CKF, CKS, GCK, GCKS, RMS - Brass nut max 50mg Pb

CKIS, CKL, CKL5, CKL8 - Brass nut and keys max 180mg Pb

DSIS, DSL – Brass nut and keys max 200mg Pb

HRL, IRL, SRL, WRL, WIRL, SRL60, SRL90, WRL60, WRL90 - Brass nut and keys max 180mg Pb

LS, MIS, MSL, SKL, SRLM, SRLMC, WRLM, WRLMC - Brass nut and keys max 180mg Pb

RAIS, RAL, RALM - Brass nut and keys max 220mg Pb

RA, PT - Brass bush and nuts max 200mg Pb

LT – Steel jack screws and clamp max 4mg Pb

Risk Assessment

Components manufactured from Brass, Steel and Aluminium contain a small quantity of lead, in accordance with the RoHS directive and existing exemptions. Max total content 78mg Pb.

None of these parts exceed the following:-

Lead as an alloying element in Brass 4%

Lead as an alloying element in Steel 0.35%

Lead as an alloying element in Aluminium 0.4%

For Brass, Steel and Aluminium parts, Lead does not represent a risk to health.

Lead is not easily absorbed through the skin, so handling these parts poses no risk to the user.

Handling Instructions

No precautions are required for handling products that have Brass, Steel or Aluminium components.

Appropriate PPE should be used when cutting or machining these parts.

Disposal Instructions

These products/parts should be disposed of in accordance with all applicable regulations relevant to the geographical location.