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**BERRANG**<sup>®</sup>  
Mechanische Verbindungstechnik

Karl Berrang GmbH - 68229 Mannheim - Germany

To whom it may concern

Date	Page
2018-06-27	1/1
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### REACH (SVHC) Information (lead)

Dear Ladies and Gentlemen,

In accordance with Article 33 of the REACH Regulation, we hereby inform you that products supplied by us may contain a substance on the REACH Candidate List (SVHC).

Name of the substance: Lead  
CAS number: 7439-92-1  
EG number: 231-100-4  
Reason for listing: toxic for reproduction  
Date of listing: 27. June 2018

Additional, voluntary information:

Solid lead metal, e.g. as part of a metallic alloy, in aluminum and copper alloys is considered toxic for reproduction if the concentration limit of 0.1% by weight is exceeded. We would like to inform you that the use of lead in metallic semi-finished products has been regulated for many years. The information obligation under REACH is not based on new scientific knowledge about the metal. It is based solely on the fact that lead has been added to the REACH candidate list by the European Chemicals Agency. The aim of the inclusion is, among other things, to obtain information on the quantities of these substances used within the EU.

Lead acts as a component of a metallic alloy, as a chip breaker and lubricant in aluminum and copper alloys, improves machinability and gives the finished component additional properties, e.g. corrosion resistance, sliding and emergency running properties. The alternatives to the use of alloys with a lower mass content of lead cannot currently be considered scientifically or technically practicable. It is also technically impossible to remove any lead unintentionally introduced into the recycling stream.

Should you have any questions or concerns, please do not hesitate to contact the contact persons in our company known to you.

With best regards

Joachim Hermes  
Head of Marketing and Sales  
Member of the Board