

Customer information concerning

## DIRECTIVES 2011/65/EU (RoHS), AND 2012/19/EU (WEEE)

The European directives 2011/65/EU, 2012/19/EU serve to reduce pollution from waste electrical and electronic equipment;

2012/19/EC (Waste Electrical and Electronic Equipment WEEE) regulates the environmentally compatible disposal of WEEE and places requirements on equipment manufacturer. As manufacturers of semi-finished products Outokumpu cannot influence the design of the final products. However, we can confirm that our products are not materials for which selective treatment is required under 2012/19/EU, Annex VII. Stainless steel can be recycled without loss of quality.

Directive 2011/65/EU (Restriction of Hazardous Substances) and delegated Directive 2015/863 (RoHS 3) restricts the use of certain hazardous substances in electrical and electronic equipment. It establishes the following permissible maximum concentrations for hazardous substances in homogeneous materials:

- max. 0.1 % by weight for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), and some phthalates (DEHP, BBP, DBP, DIBP)
- max. 0.01 % by weight for cadmium.

These critical substances are not added during the production of our products and are consequently not present in uncoated stainless steel at all or only as technically unavoidable trace impurities in concentrations well below the specified limits.

In summary, the products of Outokumpu fully comply with RoHS and WEEE requirements and there are no substances to be declared. China RoHS (Administrative Measures for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products) from 2016 restricts the same substances as Directive 2011/65/EU, so no substances need to be declared under China RoHS either.

For Outokumpu Group



Camilla Kaplin  
Senior Manager, Environment