

BALVER ZINN®

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Balver Zinn to Demonstrate New Variant of Universally Regarded Lead-Free Solder SN100C™ at Productronica 2009

BALVE, GERMANY — November 2009 — The BALVER ZINN Group, a leading provider of high-quality anodes with various alloy, as well as soft solders and special wires, announces it will demonstrate the brand new variant of their unique lead-free solder Balver Zinn SN100C™, in the form of **SN100CS™ Solder** in **Hall A4, Stand 570** of the upcoming Productronica exhibition - scheduled to take place 10th – 13th November 2009 at the New Munich Trade Fair Center in Munich, Germany.

This eagerly anticipated development in the highly regarded SN100C solder range has a content of 100ppm (0.01%) of germanium (Ge). In the BALVER ZINN SN100C™ formulation, Ge plays the vital role of antioxidant, providing a preferential reaction with oxygen to protect the solder from the oxidation that results in the formation of dross.

The greater content of germanium in the *SN100CS Solder* renders it especially suitable for applications without nitrogen. This new solder also offers all the familiar advantages that have made Balver Zinn's SN100C™ so popular with leading manufacturers around the globe, including its substantially reduced copper dissolution. The lower surface tension of the solder surface deoxidized with Ge also results in improved wetting and flow.

Balver Zinn *SN100CS Solder* should be used for the first fill and top-up of a solder pot when it is expected that it might be problematic to maintain Ge at the level required for the most effective oxidation control. Balver Zinn also offers an additive, Desoxy RSN, to be used should the Ge level be found to have fallen substantially below 0.006%, in order to keep the Ge level up to 0.01%.

Balver Zinn SN100CS offers a melting point of 227°C over a tin-lead comparison of 183°C. The product does not contain hazardous substances beyond the limits prescribed by EU Directive 2002/95/EG ("RoHS"), and the alloy composite and delivery sizes are available in a datasheet now available via www.balverzinn.com.

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