

# Stannides and Intermetallic Tin Compounds – Fundamentals and Applications

Rainer Pöttgen

Institut für Anorganische und Analytische Chemie, Westfälische Wilhelms-Universität Münster,  
Corrensstraße 30, D-48149 Münster, Germany

Reprint requests to R. Pöttgen. E-mail: pottgen@uni-muenster.de

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*Dedicated to Professor Wolfgang Jeitschko on the occasion of his 70<sup>th</sup> birthday*

Tin, tin alloys and intermetallic tin compounds play a key role in many technologies and high-tech applications. Many of these intermetallics find application in daily life such as pewterware, bronzes, solders, fusible alloys, superconductors, capsules for wine bottles or tinsplate packaging. Many of the applications are directly related to distinct stannides or intermetallic tin compounds. The crystal chemistry and chemical bonding of these materials as well as their applications are briefly reviewed.

*Key words:* Tin, Stannides, Intermetallics