**Review on High-temperature Pb-free Solder Alloys**

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**ABSTRACT:** Due to toxicity of Pb, efforts to develop alternative to Pb-based solders have been increased significantly. In the present paper, a review on selection of Pb free solder alloys to replace traditional Pb based alloys based on availability of literature is carried out. There are limited numbers of Pb-free solder systems exist for high-temperature applications. A discussion on solders for high-temperature applications is highlighted in the current study. Solder systems are discussed with respect to their wetting properties in associated with their use in soldering applications. It is concluded that further development of Pb-free alloys suitable for high-temperature soldering applications is required.

**Keywords**: Lead (Pb), Pb-free, soldering, high temperature, wetting