

AS 1834.1—1991

Australian Standard[®]

Material for soldering

Part 1: Solder alloys

This Australian Standard was prepared by Committee MT/5, Lead and Lead Alloys. It was approved on behalf of the Council of Standards Australia on 8 March 1991 and published on 13 May 1991.

The following interests are represented on Committee MT/5:

- Australian Lead Development Association
- Confederation of Australian Industry
- Metal Trades Industry Association of Australia
- Telecom Australia

Additional interests participating in preparation of Standard:

- Aeronautical Research Laboratory, Salisbury
- Australian Tin Information Centre
- Electronics industry organizations
- Solder manufacturing organizations

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PREFACE

This Standard was prepared by the Standards Australia Committee on Lead and Lead Alloys under the direction of the Metals Standards Board, to supersede AS 1834.1—1986, *Solder alloys*. The revised Standard is technically the same as the previous edition except that it incorporates the two amendments.

As the result of the inclusion of these amendments, a lead-free tin-copper alloy has been added for general use in plumbing applications, particularly for capillary fittings and for joining copper tube, and a lead-free tin-copper-silver alloy has been added for the joining of copper, ferrous and nickel alloys. Both alloys are for use in potable water systems.

This Standard is one of a proposed series of Standards covering materials for soldering. Currently, the only other Standard in the series is AS 1834.2—1986, *Flux-cored solders*.

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