



# AUSTRALIAN ASSOCIATION OF LIVE STEAMERS



Limited

ACN 107 882 404 - ABN 81 107 882 404

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To all societies as addressed.

Dear Secretary,

This is information for your members about silver solder. Please make copies for each of your boiler inspectors.

Yours in the hobby,

Barry Glover, President AALS.

## **TECHNICAL INFORMATION BULLETIN - APRIL 2008**

It has been brought to our attention that BOC (formally CIG) no longer supplies silver brazing alloys containing cadmium. 45% silver is the most commonly used rod in copper boiler making and general silver brazing operations.

Whilst SBA without cadmium will still be OK for use in boilers, the 45% cadmium free requires another 40 – to 60 degrees centigrade for fluid use. It does not appear to penetrate joints as easily and this may require a slightly bigger gap clearance, especially around stays in order to gain full penetration of the spelter. The inclusion of the cadmium (around 24% in 45% silver grades) assists the flow of the metal but does give off TOXIC FUMES. Of course, this needs well-ventilated areas when using same.

The Association has sourced two suppliers of silver brazing alloys with a large range of silver content and either with cadmium or cadmium-free. The usual supply is in 750 long x 1.6 mm sticks in ½ kilo lots. Prices do vary from day to day since it depends on the price of silver. (The Association has no commercial or monetary association with the firms in question other than being a satisfied user of the product).

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**Note:** While some Societies will receive a SBA Data Sheet, unfortunately, we didn't have enough for everyone. If there is no sheet for your society, you may contact the above to obtain a copy. Tell them the Association sent you.