



Fields metal

This fusible (low-melting point) alloy comprises the elements tin, bismuth and indium (and is relatively expensive because indium is in high demand for use in LCD television screens). The alloy behaves like any other metal in liquid form, but does not pose any burning hazard unless overheated. It also has the obvious advantage that moulds for casting it can be created from virtually any other material – e.g., drinking straws, paper, Plasticine. It is used extensively for specialized fabrication and is often employed as a mould or core around which other metals are heavily electroplated. The Fields metal can then be melted out to leave cavities or solids with a high definition.

Proven uses include:

Scientific demonstrations and investigations
 Actual cast components for jewellery
 Actual cast components for functional prototypes
 Low temperature solder (it will 'wet' onto plastics)
 Metal mould making for casting or electroforming

Important note:

Indium is a potentially toxic material if ingested. Before using a risk assessment should be carried out.

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