

# Hg-Tl (Mercury-Thallium)

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The Hg-Tl phase diagram in [Masslski2] was redrawn from [1994Zab]. All phase boundaries except solidus boundaries of  $\gamma$  and  $(\beta\text{Tl})$  were mostly speculative.

Figure 1 shows the Hg-Tl phase diagram determined by [2006Gie] through thermodynamic assessment. Although the phase boundary data adopted by [1994Zab] and [2006Gie] were nearly the same, the diagram of [2006Gie] is expected to be thermodynamically consistent.

## References

- 1994Zab:** L. Zabdyr and C. Guminski, The Hg-Tl (Mercury-Thallium) System, *J. Phase Equilibria*, 1994, **15**(1), p 111-116
- 2006Gie:** W. Gierlotka, J. Sopousek, and K. Fitzner, Thermodynamic Assessment of the Hg-Tl System, *Calphad*, 2006, **30**, p 425-430

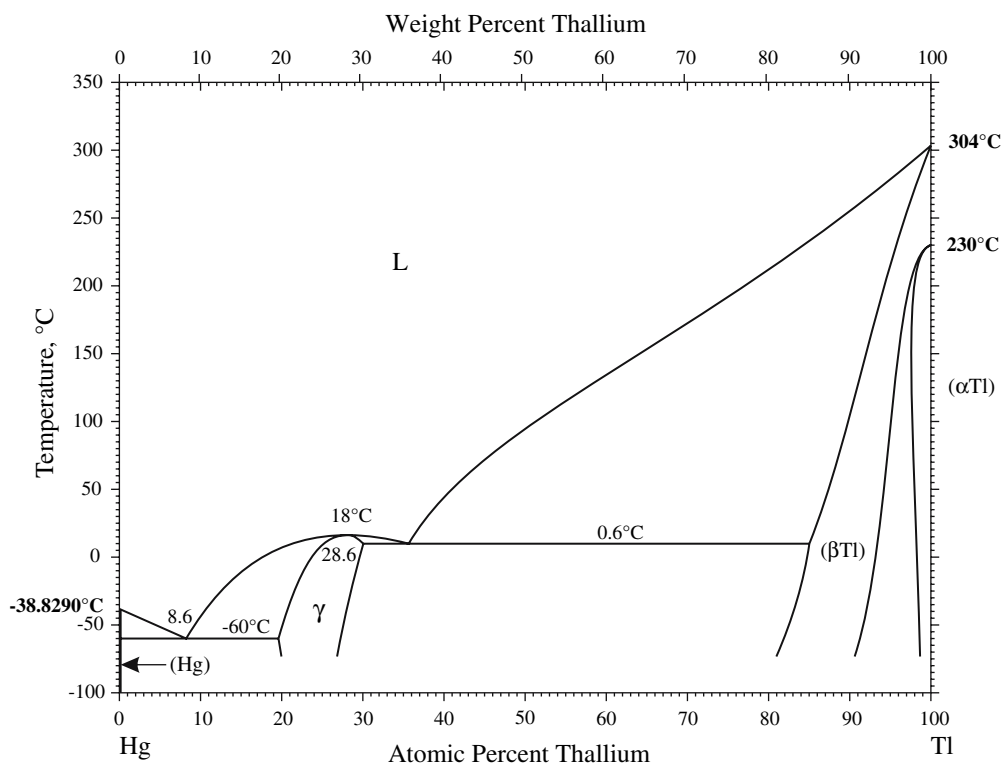


Fig. 1 Hg-Tl phase diagram