Ni-Sm (Nickel-Samarium)

H. Okamoto

The Ni-Sm phase diagram in [Massalski2] was redrawn from [1991Pan], which is primarily based on the experimental phase boundary data of [1983Pan]. [1998Su] calculated the Ni-Sm phase diagram using the same experimental data of [1983Pan] and enthalpy of formation data available for Ni_5Sm , Ni_7Sm_2 , Ni_3Sm , and Ni_2Sm . The result is shown in Fig. 1. The strong asymmetry of the NiSm liquidus shown in [1991Pan], which is unlikely according to [1991Oka], was eliminated in this phase diagram.

References

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Fig. 1 Ni-Sm phase diagram