

F-Hg (Fluorine-Mercury)

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The schematic Hg-F phase diagram shown in Fig. 1 was drawn by [2004Gum]. Hg-F crystal structure data in Table 1 are as reported by [1933Ebe].

References

- 1933Ebe:** F. Ebert and H. Witte, Crystal Structures of Fluorides, II, HgF, HgF₂, CuF, and CuF₂, *Z. Anorg. Allg. Chem.*, 1933, **210**, p 269-272
- 2004Gum:** C. Guminski, Contribution of Electrochemistry to the Knowledge on Structure and Properties of Amalgams, *Polish J. Chem.*, 2004, **78**, p 1733-1751

Table 1 Hg-F crystal structure data

Phase	Composition, at.% F	Pearson symbol	Space group	Strukturbericht designation	Prototype
(Hg)	0	<i>hR1</i>	<i>R$\bar{3}m$</i>	<i>A10</i>	α Hg
HgF	50	<i>tI8</i>	<i>I4/mmm</i>	<i>D3₁</i>	HgCl
HgF ₂	66.7	<i>cF12</i>	<i>Fm$\bar{3}m$</i>	<i>C1</i>	CaF ₂

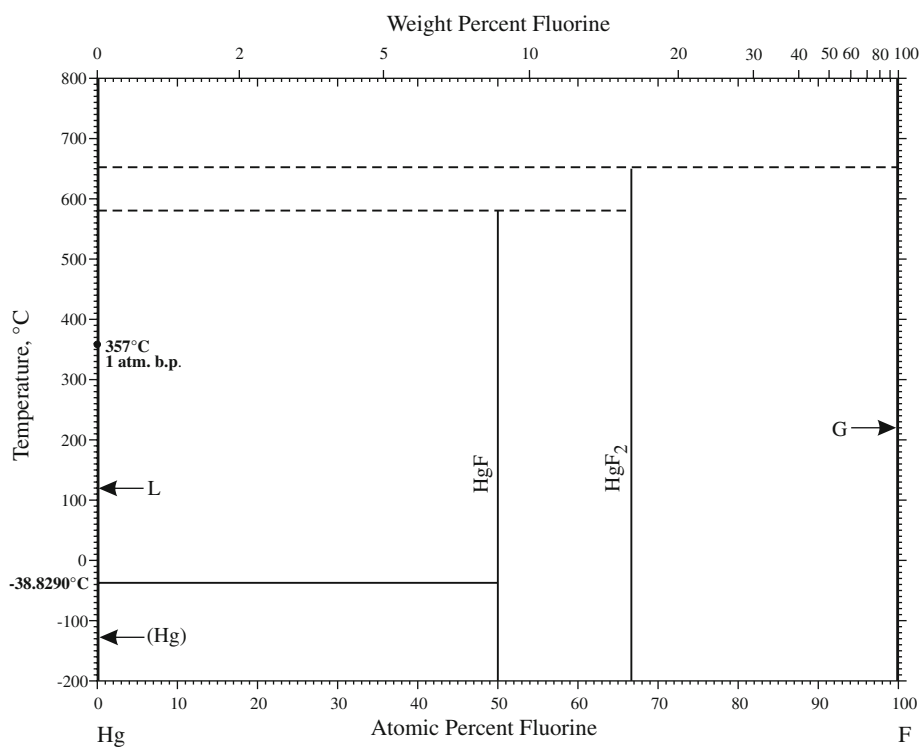


Fig. 1 F-Hg phase diagram