Cl-P (Chlorine-Phosphorus)

H. Okamoto

[1971Chi] obtained the P-Cl phase diagram shown in Fig. 1 by differential thermal analysis of eight alloys with compositions between PCl_3 and PCl_5 .

P-Cl crystal structure data in Table 1 are adopted from [1973Lan].

References

1971Chi: M.K. Chikanova, D.M. Laptev, and E.S. Vorontsov: *Russ. J. Inorg. Chem.*, 1971, vol. 16 (3), pp. 452-53.

1973Lan: Landolt-Börnstein: *III7a, Crystal Structure Data of Inorganic Compounds*, Springer-Verlag, Berlin, 1973.

Table 1 P-Cl crystal structure data

Phase	Composition, at.% Cl	Pearson symbol	Space group	Strukturbericht designation	Prototype
PCl_3	75	...	...	...	...
PCl_5	83.3	<i>oP24</i>	<i>P4/n</i>	...	PCl_5

Fig. 1 Cl-P phase diagram