(1) A solder alloy for preventing Fe leaching, which prevents adhesion of a carbide to an iron tip, the solder alloy having an alloy composition consisting of, in mass %: Fe: 0.02 to 0.1%; and Zr: more than 0% and 0.2% or less, with the balance being Sn.

[0018]

(2) The solder alloy for preventing Fe leaching according to the above (1), wherein the alloy composition further comprises Cu: 0.1 to 4%.

[0019]

(3) The solder alloy for preventing Fe leaching according to the above (1) or (2), wherein the alloy composition further comprises at least one of Sb: 5 to 20%, Ag: 4% or less and Bi: 3% or less.

[0020]

(4) The solder alloy for preventing Fe leaching according to any one of the above (1) to (3), wherein the alloy composition further comprises at least one of Ni: 0.3% or less and Co: 0.2% or less.

[0021]

(5) The solder alloy for preventing Fe leaching according to any one of the above (1) to (4), wherein the alloy composition further comprises, in mass %, at least one of P: 0.1% or less, Ge: 0.1% or less and Ga: 0.1% or less.

[0022]

(6) A flux-cored solder comprising the solder alloy for preventing Fe leaching according to any one of the above (1) to (5).

[0023]

(7) A wire solder comprising the solder alloy for preventing Fe leaching according to any one of the above (1) to (5).

[0024]

(8) A flux-cored wire solder comprising the solder alloy for preventing Fe leaching according to any one of the above (1) to (5).

[0025]

(9) A flux-coated solder according to any one of the above (1) to (8), wherein a surface of the solder is coated with a flux.

[0026]