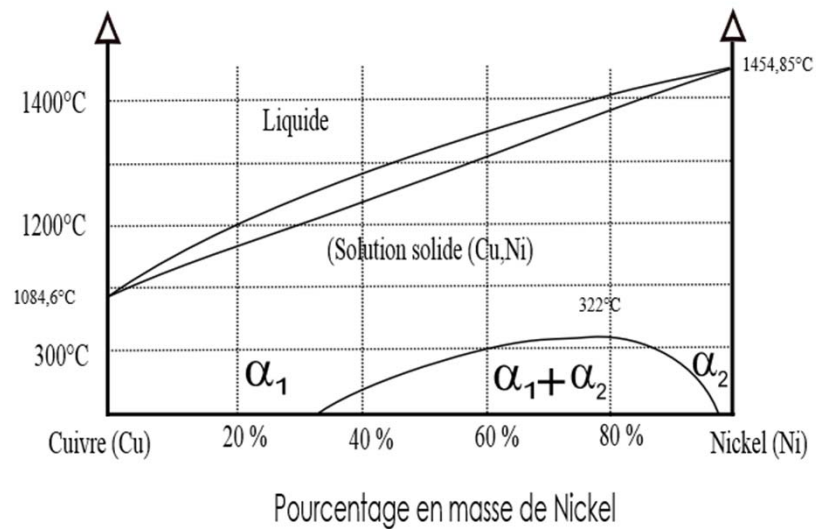


H1: Explain binary phase diagram



Cu-Ni Phase Diagram

X axis: Weight Percentage(%)

Y axis: Temperature(Celsius)

Solid Solution: (Cu, Ni) -> Substitutional

Miscibility Gap ->  $\alpha_1 + \alpha_2$

$\Delta H_{mix} > 0$  : (Cu, Ni) enthalpy of mixing is positive value

$T_C$ : Critical Temperature =  $322^\circ C$

Liquid-(Solid solution) mixture area

Liquid phase

Ref: Wikimedia Commons

Diagramme phase Cu Ni.svg