

Binary Mixture

[@wikipedia](#)

A [Mixture](#) consisting of two [components](#).

Apart from a wide practical value [Binary Mixtures](#) have a zoomed value in academic studies which help understand and model behaviour of all [mixtures](#).

The [Gibbs phase rule](#) for [Binary Mixtures](#) is:

$$(1) \qquad F = 4 - P$$

where

<i>F</i>	number of degrees of freedom
<i>C</i>	number of mixture components
<i>P</i>	number of phases

It particularly means that Two-[Phase Equilibrium](#) of [Binary Mixture](#) ($P = 2$, $F = 2$) is going to occupy a 2-dimensional area on [Phase Equilibrium Diagram](#).

See Also

[Natural Science](#) / [Chemistry](#) / [Chemical Substance](#) / [Mixture](#)

[[Pure substance](#)] [[Fluid Mixture](#)]

[[Mixture composition](#)]

[[Thermodynamic equilibrium](#)][[Vapour Liquid Equilibrium \(VLE\)](#)]

[[Mixing Rules](#)]