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K. R. Westerterp, W. P. M. van Swaaij and A. A. C. M. Beenackers
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money, and materials;
and decision-aiding
coverage of selection,
design factors and
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reaction the number of
independent
components is equal to
the number of distinct
chemical species
present. Consider the
production of a
nitration acid by mixing
70 per cent nitric and
98 per cent sulphuric
acid. The number of
distinct chemical
species is 3; water,

sulphuric acid, nitric acid.

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