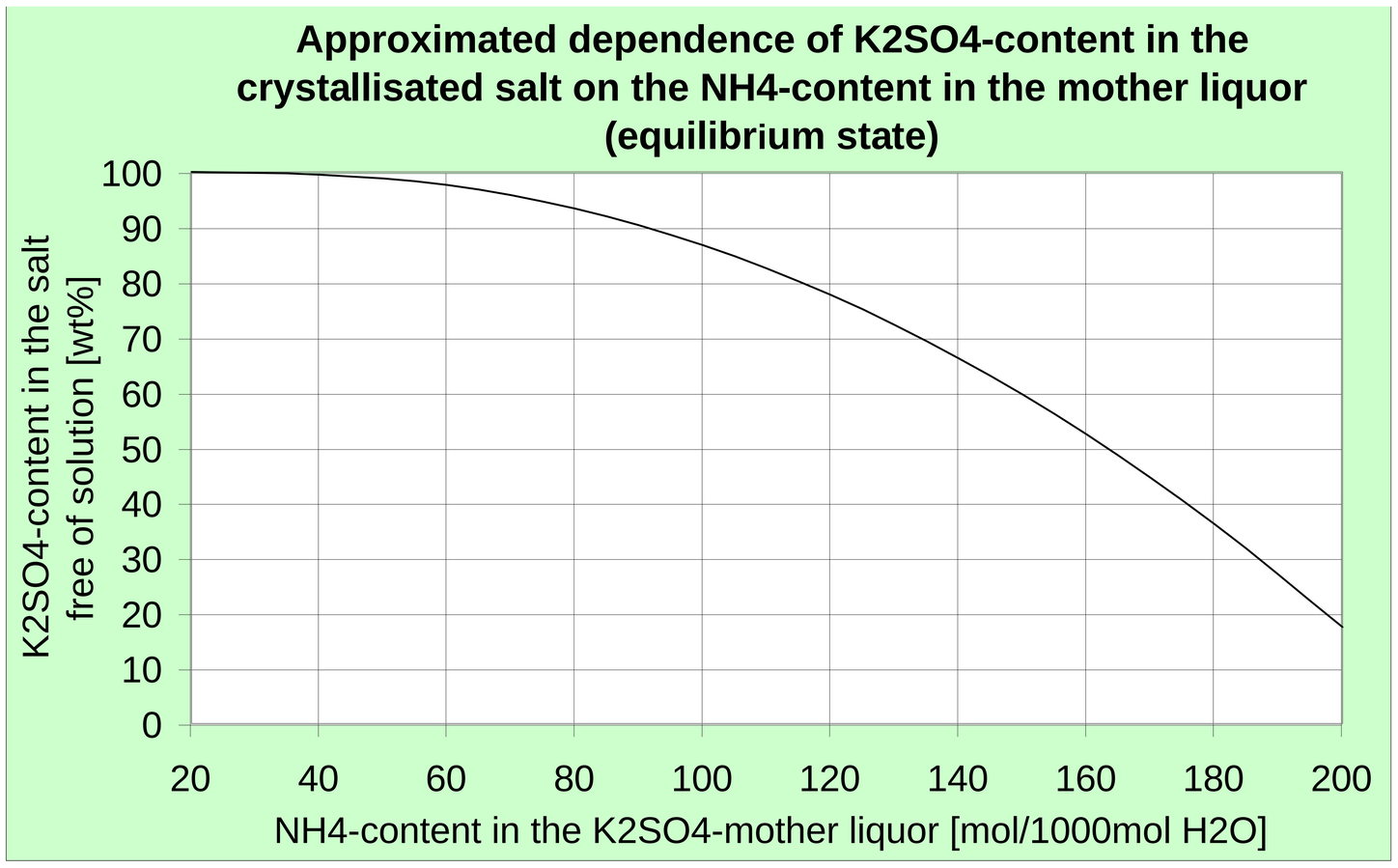
K_2SO_4 production from $(NH_4)_2SO_4$

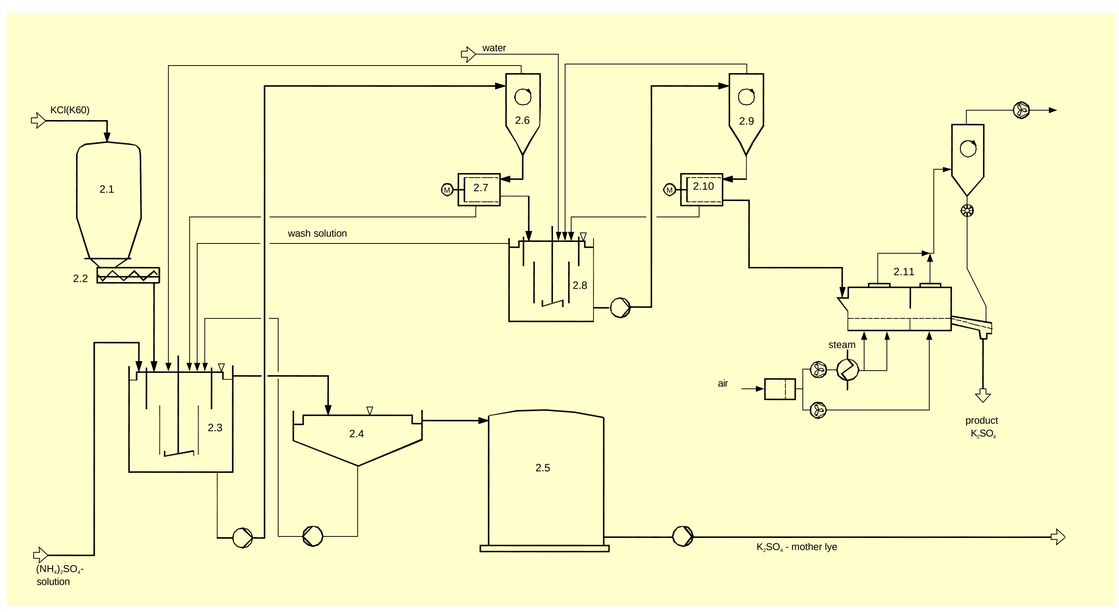
Reaction equations

$$2\ KCl + (NH_4)_2SO_4 \rightarrow \mathbf{K_2SO_4} + 2\ NH_4Cl$$

Characteristics:
- Conversion of KCl to K_2SO_4 or K_2SO_4-$(NH_4)_2SO_4$-fertilizers at 25 °C
- The ratio of K_2O : N in the fertilizer can be varried from 50 : 1 to 40 : 5
- The ammoniumchloride as well as the potassium salt can be recovered by a crystallisation process From the mother liquor



Process flow sheet



CONTACT:

Kali-Umwelttechnik GmbH • Am Petersenschacht 7 • 99706 Sondershausen • Germany

Phone 0049-03632-610 0 • Fax 0049-03632-610 105 • e-mail kutec@kutec.de • internet http://www.kutec.de