Abstract

Process for isolating methylglycinenitrile-N,N-diacetonitriles from an aqueous crude mixture

The invention relates to a process for isolating methylglycinenitrile-N,N-diacetonitrile (MGDN) from an aqueous emulsion which comprises MGDN and has an MGDN content of 3-50% by weight in a crystallizer, comprising the steps:

(a) the aqueous emulsion is, starting from a temperature above the solidification point, cooled to a temperature below the solidification point, the cooling rate averaged over time not exceeding 5 K/h, until substantially the entirety of the emulsified MGDN has solidified,

(b) the resulting aqueous suspension is cooled further and/or concentrated, and the cooling rate may be greater than in step (a).

(Figure 2)